

FINAL

**FORMER BURNING PAD NUMBER 5
CLOSURE REPORT GROUNDWATER ADDENDUM
AND
CORRECTIVE MEASURES COMPLETION REPORT**

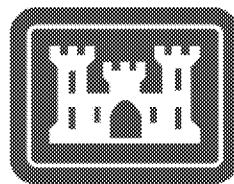
Located at:

**SOLID WASTE MANAGEMENT UNIT 24
FORMER KANSAS ARMY AMMUNITION PLANT, KANSAS**

Prepared by:

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**US Army Corps
of Engineers ®**

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LIST OF ABBREVIATIONS AND ACRONYMS

bgs	below ground surface
BRAC	Base Realignment and Closure
BP5	former Burning Pad Number 5
CFR	Code of Federal Regulations
CMCR	Corrective Measures Completion Report
CoC	Contaminant of Concern
CR	Closure Report
DoD	United States Department of Defense
GPDA	Great Plains Development Authority
KDHE	Kansas Department of Health and Environment
KSAAP	former Kansas Army Ammunition Plant
LTM	long-term monitoring
PRG	Preliminary Remediation Goal
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RSK	Risk-Based Standards for Kansas
SWMU	Solid Waste Management Unit
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

1.0 PURPOSE

The United States Army Corps of Engineers-Kansas City District (USACE) has prepared this Closure Report (CR) Groundwater Addendum and Corrective Measures Completion Report (CMCR) for former Burning Pad Number 5 (BP5), located at Solid Waste Management Unit (SWMU) 24, Great Plains Development Authority (GPDA), formerly Kansas Army Ammunition Plant (KSAAP), Labette County, Kansas (Figure 1). This report was prepared on behalf of the United States Army Base Realignment and Closure (BRAC) Division, ACSIM, and in accordance with the *Final Closure Plan for Open Burn Pad 5, Kansas Army Ammunition Plant, Parsons, Kansas* (April 2010). The Closure Plan (Appendix B of the 2014 Burn Pad 5 Closure Report) was prepared by USACE and accepted by the Kansas Department of Health and Environment (KDHE), Bureau of Waste Management in April 2010. This CR Groundwater Addendum documents the activities, methods and procedures for characterization of groundwater around BP5 in support of Final Closure of the unit. It also demonstrates the groundwater corrective measures completion criteria defined in the Corrective Measures Decision (CMD) document (EPA, 2006) were achieved.

2.0 BACKGROUND

BP5 is located at KAAP-10 (Solid Waste Management Unit [SWMU] Group 24), in the 2700 Area of GPDA. KAAP-10 actually consisted of six burning pads, however only burning pads 5 and 6 are located within SWMU Group 24, which encompassed an area 20.13 acres in size. Corrective actions at BP 5 have been completed in accordance with the 2012 RCRA Part B Permit. Both pads were put into service in 1967 and ceased operation on 31 December 2008 with the closure of KSAAP. BP5 was used for remote burning of explosive hazardous wastes within metal burn pans. When it was active, BP5 measured approximately 320 feet long by 120 feet wide and was surrounded on the east, north, and west sides by a 5-foot-high earthen berm. The southern side of BP5 was open to allow access to the pad. The floor of the pad consisted of native soil. For further information on use, previous investigations, and soils corrective measures refer to the *Final Burn Pad 5 Closure Report* (USACE 2014).

3.0 SYNOPSIS OF THE GROUNDWATER CORRECTIVE MEASURE

Munitions of Explosive Concern (MEC) removal and soil excavation activities were completed at BP5 and BP6 in the spring of 2013. Figure 2 shows the locations of burning pads 5 and 6, burn pad Trenches, and excavation work areas and stockpiles. For groundwater, the CMD presented Long-Term Monitoring (LTM) as the corrective measure for SWMU 24. Although no contaminants of concern (CoC) were reported in groundwater above CMD Preliminary Remediation Goals (PRG), it was surmised that unknown soil sources had the potential to leach through contaminated soils into the groundwater. However, soil samples collected during soil excavations only resulted in detections of total chromium and cobalt above the KDHE Tier 2 Risk-Based Residential Soil Pathway screening values and there are no CMD soil PRGs for total chromium or cobalt. None of the total chromium or cobalt soils results exceeded the KDHE Tier 2 Risk-Based Residential Soil Pathway screening values, and only one cobalt detection exceeded the established background value (USACE, 2014); therefore, metals detected in soil samples were within the expected range of background levels.

Three monitoring wells (MW-21-6, MW-23-6 and MW-24-6) were installed in the 1990s as part of the Phase II Resource Conservation and Recovery Act Facility Investigation (RFI) in order to evaluate groundwater conditions in the vicinity of SWMU 24. These wells were included in the LTM program initiated after signature of the CMD in 2006. After MEC removal and soil excavation activities were completed in the spring of 2013, seven additional monitoring wells (MW-1-21 through MW-7-21) were installed in order to evaluate the performance of the soils corrective measures and determine if any impact to groundwater had occurred. Figure 3 shows the locations of monitoring wells in the vicinity of SWMU 24. Table 1 includes well construction details for all SWMU 24 monitoring wells.

This CMCR presents only the analytical results for monitoring wells associated with BP5. These include monitoring wells MW-21-6, MW-23-6, MW-7-21, MW-1-21, and MW-2-21. The remaining SWMU 24 monitoring wells are associated with BP6 and will be reported on separately. It is noted, however, that results for monitoring wells MW-1-21 and MW-2-21 will appear in both reports, since these wells are located hydraulically upgradient of BP5 but downgradient of BP6. BP5 monitoring well boring logs and installation forms are located in Attachment A. Further details on monitoring wells installation were previously reported in the *Final Burn Pad 5 Closure Report* (USACE 2014).

4.0 CLOSURE CRITERIA

The 2014 BP5 Closure Plan specified that in order to achieve unrestricted clean closure, groundwater results will be screened against the KDHE Tier 2 Risk-Based Summary Table, Residential Groundwater Pathway (Residential RSKs). Screening results are discussed in Section 5.

5.0 DEMONSTRATION OF CLOSURE CRITERIA ACHIEVEMENT

Groundwater monitoring at BP5 was conducted over 6 semi-annual events between 2013 and 2015. Analysis over the first 5 rounds included volatile organic compounds (VOC), semi-volatile organic compounds, polychlorinated biphenyls, dioxins/furans, metals, mercury, nitrocellulose, explosives, and perchlorate. The analysis was reduced for the 6th event to just VOCs and metals.

- First Sampling Round Spring 2013
 - Note that all metals were field filtered.
- Second Sampling Round Fall 2013
- Third Sampling Round Spring 2014
- Fourth Sampling Round Fall 2014
- Fifth Sampling Round Spring 2015
- Sixth Sampling Round Fall 2015

Table 2 provides a comprehensive list of all BP5 groundwater analytical results screened against the Residential RSKs. The KDHE Tier 2 Risk-Based Summary Table, Non-Residential Groundwater Pathway (Non-Residential RSKs) screening values are also listed in Table 1 for discussion purposes. Only the following metals were detected one or more times above a screening level:

- Arsenic
- Cadmium
- Cobalt
- Manganese

Arsenic was detected above the Residential and Non-Residential RSK of 10 micrograms per liter ($\mu\text{g/L}$) once in monitoring well MW-7-21 during the course of groundwater monitoring. Reported arsenic concentrations ranged from non-detect to 17 $\mu\text{g/L}$, which occurred during the Fall 2014 sampling event. During the most recent 2 events, Spring and Fall 2015, arsenic was detected at 4.9 $\mu\text{g/L}$ and 6.1 $\mu\text{g/L}$, respectively. The Fall 2014 detection may have been a result of excess turbidity, although this is unknown because the turbidity meter had malfunctioned during that sampling event. However, arsenic is a naturally occurring element ubiquitous in soils across the site and soil at the burning pad was found to be at or below background concentrations for KSAAP. The area in question is underlain by the Labette Shale and the Fort Scott Limestone units. These Pennsylvanian-age shales are commonly known to contain an abundance of heavy metals, with some black shales having concentrations consistent with hazardous waste (Coveney and Tao, 2001). It is not uncommon to observe arsenic detections at GPDA even if turbidity readings are low. Furthermore, there is no known use of arsenic as part of former KSAAP activities. In conclusion, since arsenic exceeded the Residential RSK in 1 of 6 groundwater sampling events, is naturally occurring, has no known use at BP5, and was below the Residential RSK during the previous 2 events, it is not considered to be present as a result of contamination.

Cadmium was detected above the Residential and Non-Residential RSK of 5 µg/L once in monitoring well MW-2-21 (6.6 µg/L) during the course of groundwater monitoring. The detection occurred during the spring 2013 event. However, cadmium was below the MCL in during the subsequent five sampling events and was not detected during the last three sampling events. Cadmium is a naturally occurring element ubiquitous in soils across the site and concentrations vary depending on the residual geologic unit from which they were derived. The area in question is underlain by the Labette Shale and the Fort Scott Limestone units. Pennsylvanian shales are commonly known to contain an abundance of heavy metals, with some black shales having concentrations consistent with hazardous waste (Coveney and Tao, 2001). In conclusion, since cadmium exceeded the Residential RSK in 1 of 6 groundwater sampling events, is naturally occurring, and was below the Residential RSK or not detected during the previous 5 events, it is not considered to be present as a result of contamination.

Cobalt was detected above the Residential RSK of 4.7 µg/L but below the Non-Residential RSK of 31 µg/L during 2 of 6 sampling events in monitoring well MW-7-21. Reported cobalt concentrations ranged from non-detect to 19 µg/L, which occurred during the Fall 2014 sampling event. During the most recent 2 events, Spring and Fall 2015, Cobalt was detected at 6.8 µg/L and 3.4 µg/L (estimated), respectively. Cobalt is a naturally occurring element and was detected in site soils above the KDHE Tier 2 Risk-Based Residential Soil Pathway screening values, but below the Non-Residential screening values. All soil samples but one were below the established background level. Therefore, the Fall 2014 detection may have been a result of excess turbidity, although the turbidity meter had malfunctioned during that sampling event so it is unknown. It is not uncommon to observe cobalt detections at GPDA even if turbidity readings are low. The turbidity in well MW-7-21 during the Spring 2015 event was 181 versus 11.7 during the Fall 2015 event, which corresponds with the reduction in cobalt observed. Cobalt may be a trace metal in munitions casings used at the former KSAAP; however, the fact that cobalt was not found at levels indicating contamination of site soils cast further doubt cobalt in groundwater is a result of contamination. In conclusion, since cobalt is naturally occurring, is generally observed within background levels in site soils, and was below the Residential RSK during the last sampling event likely due to low turbidity, it is not considered to be present as a result of contamination.

Manganese was detected above the Residential RSK and Non-Residential RSK of 50 µg/L in several wells during the course of groundwater monitoring. However, manganese was detected only one time above the established background level of 1830 µg/L (LAW, 1997). Reported manganese concentrations ranged from 0.063 µg/L (from a filtered sample) to 1900 µg/L. Monitoring well MW-1-21 had an exceedance (83 µg/L) during the Fall 2014 event, but during the most recent 2 events, Spring and Fall 2015, manganese was detected at 24 µg/L and 28 µg/L, respectively. Monitoring well MW-2-21 had an exceedance (63 µg/L) during the Spring 2014 event, but during the most recent 3 events, Fall 2014 and Spring and Fall 2015, manganese was detected at 42 µg/L, 29 µg/L, and 44 µg/L, respectively. Monitoring well MW-7-21 had exceedances during the Fall 2014 (1900 µg/L), Spring 2015 (810 µg/L) and Fall 2015 (560 µg/L) events. Manganese is a naturally occurring element and the elevated detections may

have been a result of excess turbidity, although it is unknown. Manganese may be a trace metal in munitions casings used at the former KSAAP; however, the fact that manganese was not found at levels indicating contamination of site soils cast further doubt manganese in groundwater is a result of contamination. In conclusion, since manganese is naturally occurring, is within background levels in site soils, and was below the established background level for groundwater during all but one sampling event, it is not considered to be present as a result of contamination.

6.0 CONCLUSION

The metals detected in groundwater above the screening levels are naturally occurring and are generally found in site soils above the Residential RSKs but below the established background levels. None of the detected metals were found to be the result of contamination in site soils and they are not considered to be present in groundwater as a result of contamination. Cleanup criteria have been met and all BP5 wells will be abandoned unless Day and Zimmerman, owner of BP6, requests any of them to remain for future use.

7.0 REFERENCES

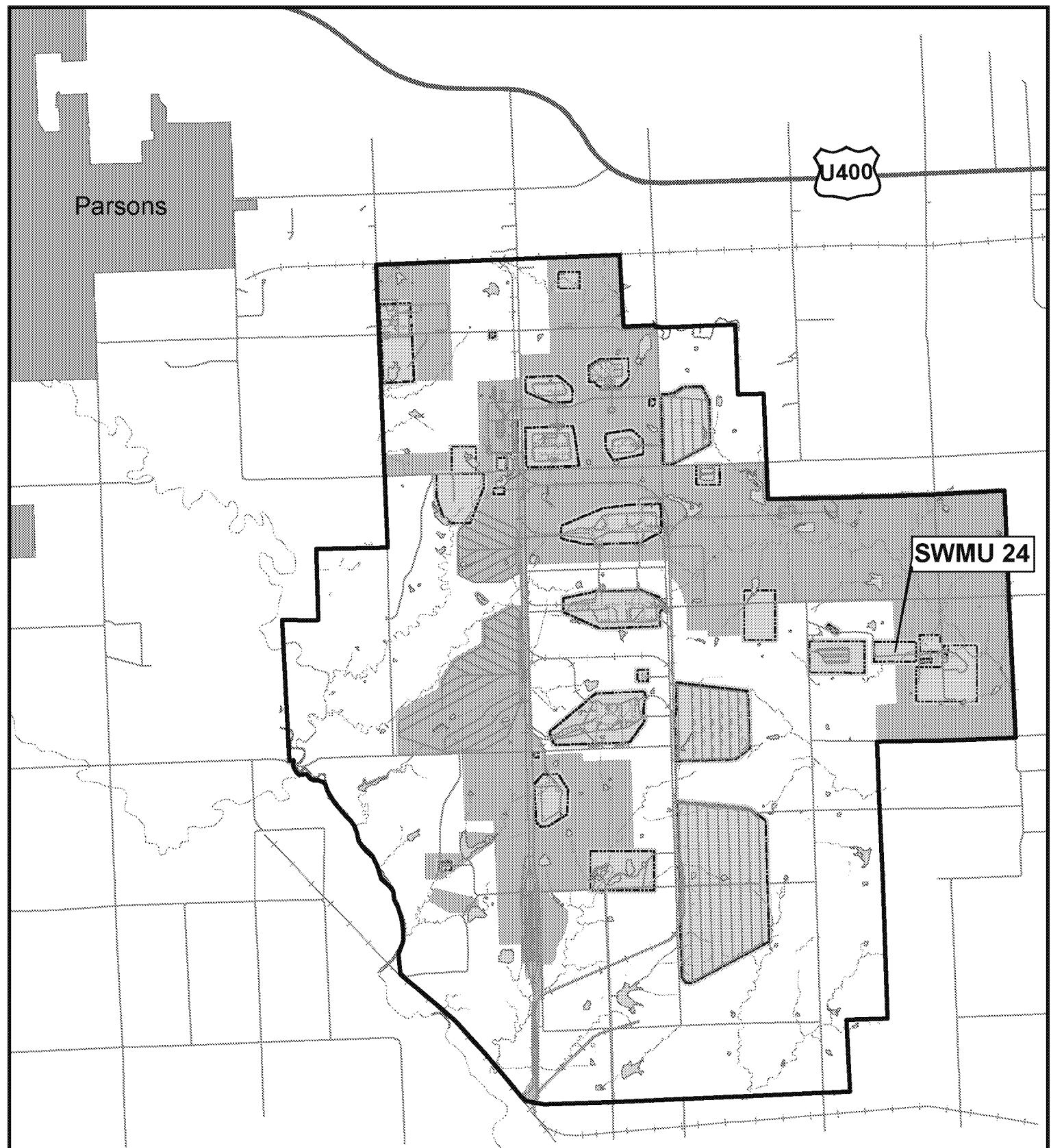
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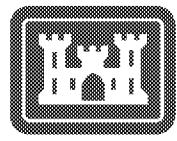
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Legend

	Former KSAAP Boundary		Railroads
	GPDA Facility Boundary		Building Roads
	SWMU		Ponds
	Parsons City Limits		Streams
	US Highway 400		Rivers
	Roads		Miles



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Figure 1

SITE MAP

GREAT PLAINS DEVELOPMENT AUTHORITY,
FORMER KANSAS ARMY AMMUNITION PLANT
PARSONS, KANSAS

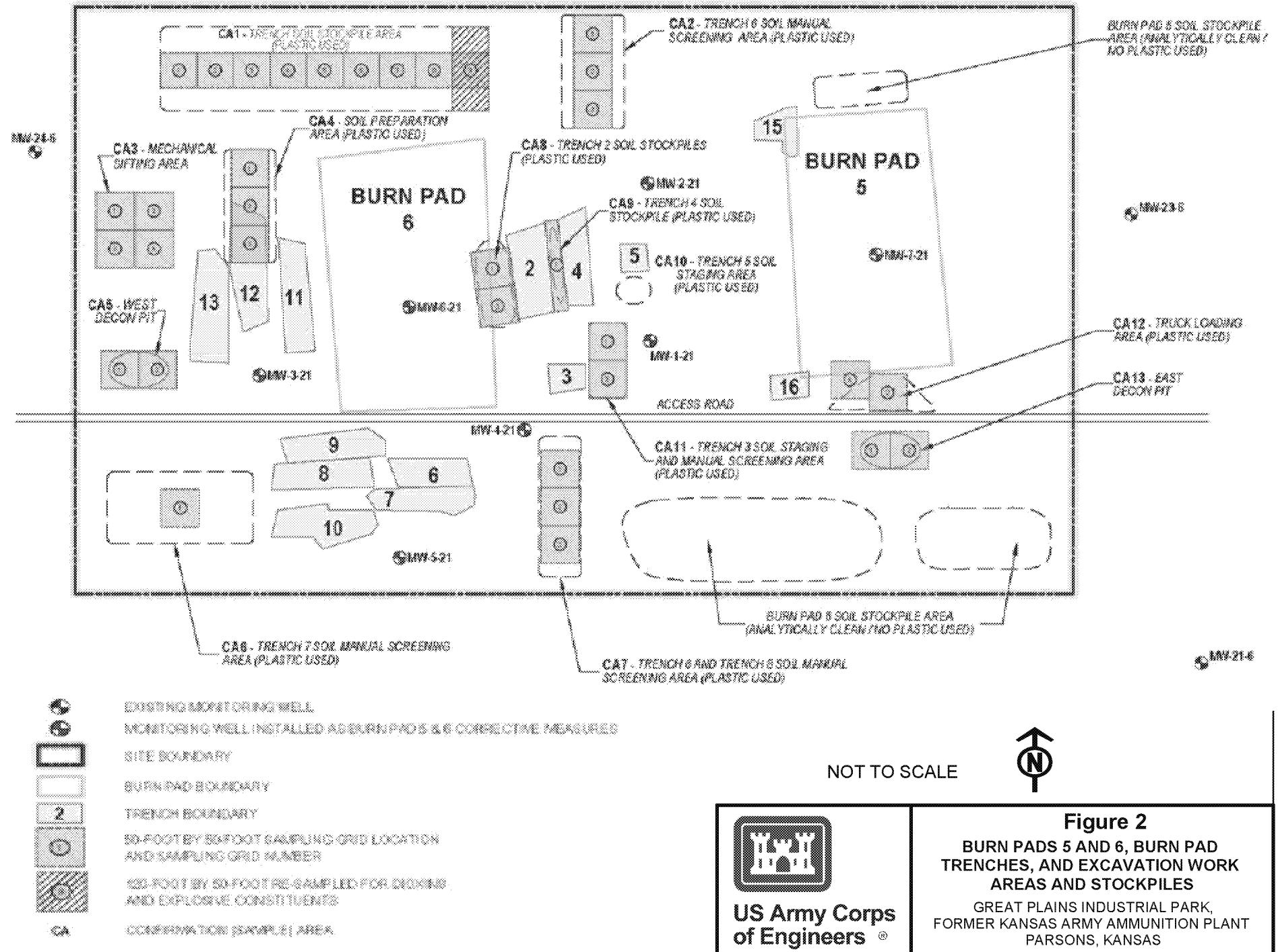


Figure 2
BURN PADS 5 AND 6, BURN PAD
TRENCHES, AND EXCAVATION WORK
AREAS AND STOCKPILES

GREAT PLAINS INDUSTRIAL PARK,
FORMER KANSAS ARMY AMMUNITION PLANT
PARSONS, KANSAS

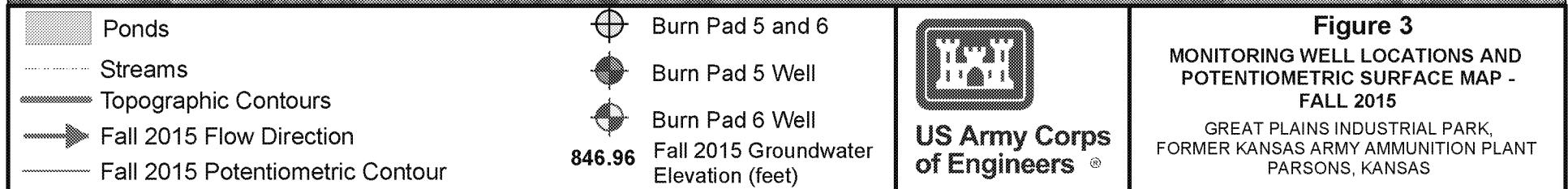
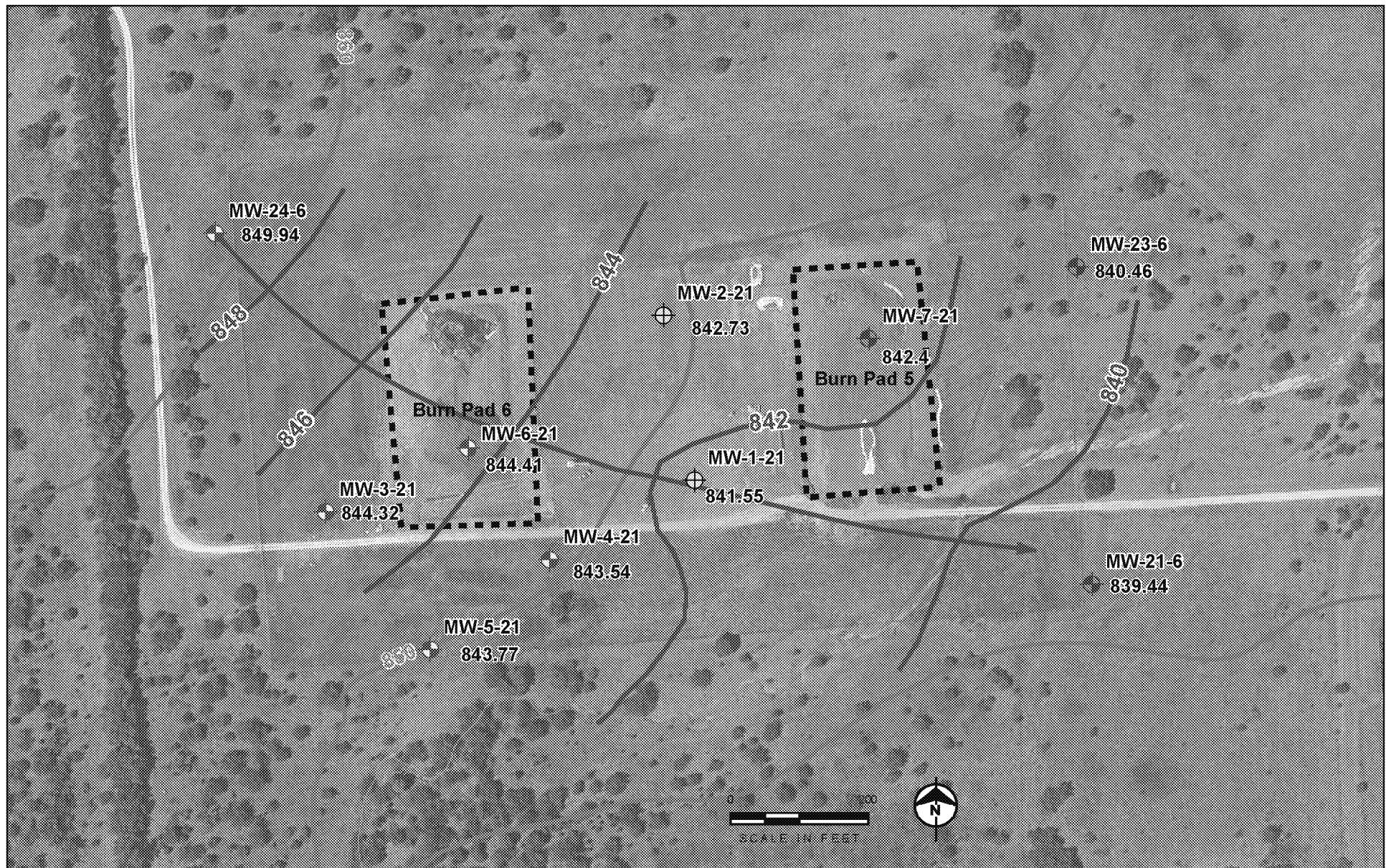


Table 1
Well Construction Summary

Well Name	Northing	Easting	SWMU Group	TOC Elevation (ft AMSL)	Ground Elevation (ft AMSL)	Approx. As-Built Depth (ft BTOC)	Top of Screen Depth (ft BTOC)	Bottom of Screen Depth (ft BTOC)	Installation By (Study or Entity)	Purpose
MW-21-6	1556804.442	2288239.448	24	847.94	845.74	20.3	10.26	20.26	Phase II RFI	LTM and BP-5
MW-23-6	1557265.519	2288217.492	24	848.27	845.66	17.35	7.30	17.30	Phase II RFI	LTM and BP-5
MW-24-6	1557313.822	2286965.999	24	864.66	862.27	22.15	12.10	22.10	Phase II RFI	LTM and BP-6
MW-1-21	1556955.456	2287662.067	24	849.68	-	17.8	7.80	17.40	SWMU 24 RA	BP-5 and BP-6
MW-2-21	1557194.747	2287617.140	24	851.58	-	21.28	10.95	20.88	SWMU 24 RA	BP-5 and BP-6
MW-3-21	1556909.285	2287126.439	24	855.45	-	23.5	13.20	23.10	SWMU 24 RA	BP-6
MW-4-21	1556840.268	2287451.880	24	850.89	-	19.95	9.60	19.55	SWMU 24 RA	BP-6
MW-5-21	1556709.335	2287278.039	24	850.55	-	21.24	10.90	20.84	SWMU 24 RA	BP-6
MW-6-21	1557002.573	2287332.732	24	853.62	-	21.1	10.70	20.70	SWMU 24 RA	BP-6
MW-7-21	1557161.609	2287914.924	24	850.75	-	20.90	10.60	20.50	SWMU 24 RA	BP-5

Notes:

AMSL = above mean sea level

BP = burning pad

BTOC = below top of casing

ft = feet

LTM = long-term monitoring

OBP = open burning pad

RA = remedial action

RFI = Resource Conservation and Recovery Act facility investigation

TOC = top of casing

SWMU = solid waste management unit

- = value unknown

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	Kansas Risk-Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06		
			MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06								
8260	2013 05	1,1,1,2-Tetrachloroethane	5.35	9.91	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$					
8260	2013 10	1,1,1,2-Tetrachloroethane	5.35	9.91	0.26 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$					
8260	2014 04	1,1,1,2-Tetrachloroethane	5.35	9.91	0.26 U	$\mu\text{g/L}$									
8260	2014 10	1,1,1,2-Tetrachloroethane	5.35	9.91	0.6 U	$\mu\text{g/L}$									
8260	2015 04	1,1,1,2-Tetrachloroethane	5.35	9.91	0.6 U	$\mu\text{g/L}$									
8260	2013 05	1,1,1-Trichloroethane	200	200	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$					
8260	2013 10	1,1,1-Trichloroethane	200	200	0.16 U	$\mu\text{g/L}$	0.16 U	$\mu\text{g/L}$	0.16 U	$\mu\text{g/L}$					
8260	2014 04	1,1,1-Trichloroethane	200	200	0.16 U	$\mu\text{g/L}$									
8260	2014 10	1,1,1-Trichloroethane	200	200	0.6 U	$\mu\text{g/L}$									
8260	2015 04	1,1,1-Trichloroethane	200	200	0.6 U	$\mu\text{g/L}$									
8260	2013 05	1,1,2,2-Tetrachloroethane	0.694	1.28	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$					
8260	2013 10	1,1,2,2-Tetrachloroethane	0.694	1.28	0.29 U	$\mu\text{g/L}$	0.29 U	$\mu\text{g/L}$	0.29 U	$\mu\text{g/L}$					
8260	2014 04	1,1,2,2-Tetrachloroethane	0.694	1.28	0.29 U	$\mu\text{g/L}$									
8260	2014 10	1,1,2,2-Tetrachloroethane	0.694	1.28	0.6 U	$\mu\text{g/L}$									
8260	2015 04	1,1,2,2-Tetrachloroethane	0.694	1.28	0.6 U	$\mu\text{g/L}$									
8260	2014 04	1,1,2-Trichloro-1,2,2-Trifluoroethane	3940	20300	0.26 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$	
8260	2014 10	1,1,2-Trichloro-1,2,2-Trifluoroethane	3940	20300	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	
8260	2015 04	1,1,2-Trichloro-1,2,2-Trifluoroethane	3940	20300	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	4.1 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	
8260	2013 05	1,1,2-Trichloroethane	5	5	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$					
8260	2013 10	1,1,2-Trichloroethane	5	5	0.27 U	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$					
8260	2014 04	1,1,2-Trichloroethane	5	5	0.27 U	$\mu\text{g/L}$									
8260	2014 10	1,1,2-Trichloroethane	5	5	0.6 U	$\mu\text{g/L}$									
8260	2015 04	1,1,2-Trichloroethane	5	5	0.6 U	$\mu\text{g/L}$									
8260	2013 05	1,1-Dichloroethane	25	46.1	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$					
8260	2013 10	1,1-Dichloroethane	25	46.1	0.25 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$					
8260	2014 04	1,1-Dichloroethane	25	46.1	0.25 U	$\mu\text{g/L}$									
8260	2014 10	1,1-Dichloroethane	25	46.1	0.6 U	$\mu\text{g/L}$									
8260	2015 04	1,1-Dichloroethane	25	46.1	0.6 U	$\mu\text{g/L}$									
8260	2013 03	1,1-Dichloroethene	7	7							1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	
8260	2013 05	1,1-Dichloroethene	7	7	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$					
8260	2013 10	1,1-Dichloroethene	7	7	0.19 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	
8260	2014 04	1,1-Dichloroethene	7	7	0.19 U	$\mu\text{g/L}$									
8260	2014 10	1,1-Dichloroethene	7	7	0.6 U	$\mu\text{g/L}$									
8260	2015 04	1,1-Dichloroethene	7	7	0.6 U	$\mu\text{g/L}$									
8260	2013 05	1,1-Dichloropropene	No Value	No Value	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$					
8260	2013 10	1,1-Dichloropropene	No Value	No Value	0.26 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$					
8260	2014 04	1,1-Dichloropropene	No Value	No Value	0.26 U	$\mu\text{g/L}$									
8260	2014 10	1,1-Dichloropropene	No Value	No Value	0.6 U	$\mu\text{g/L}$									
8260	2015 04	1,1-Dichloropropene	No Value	No Value	0.6 U	$\mu\text{g/L}$									
8290	2013 05	1,2,3,4,5,6,7,8-OCTACHLORODIBENZO-P-DIOXIN	No Value	No Value	3 J	pg/L	1.5 J	pg/L	1.1 U	pg/L					
8290	2013 10	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	No Value	No Value	0.0633 U	ng/L	0.0681 U	ng/L	0.0674 U	ng/L					
8290	2014 0														

Table 2
Groundwater Analytical Results and Screening

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06			
					U	µg/L	U	µg/L	U	µg/L	U	µg/L	U	µg/L		
8260	2013 05	1,2,4-Trichlorobenzene	70	70	0.4	U	µg/L	0.4	U	µg/L	0.4	U	µg/L			
8270	2013 05	1,2,4-Trichlorobenzene	70	70	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8260	2013 10	1,2,4-Trichlorobenzene	70	70	0.17	U	µg/L	0.17	U	µg/L	0.17	U	µg/L			
8270	2013 10	1,2,4-Trichlorobenzene	70	70	0.24	U	µg/L	0.26	U	µg/L	0.24	U	µg/L			
8260	2014 04	1,2,4-Trichlorobenzene	70	70	0.17	U	µg/L	0.17	U	µg/L	0.17	U	µg/L	0.17	U	µg/L
8270	2014 04	1,2,4-Trichlorobenzene	70	70	0.27	U	µg/L	0.26	U	µg/L	0.26	U	µg/L			
8270	2014 10	1,2,4-Trichlorobenzene	70	70	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L			
8270	2014 10	1,2,4-Trichlorobenzene	70	70	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	1,2,4-Trichlorobenzene	70	70	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8270	2015 04	1,2,4-Trichlorobenzene	70	70	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L			
8260	2013 05	1,2,4-Trimethylbenzene	8.44	17.4	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2013 10	1,2,4-Trimethylbenzene	8.44	17.4	0.21	U	µg/L	0.21	U	µg/L	0.21	U	µg/L			
8260	2014 04	1,2,4-Trimethylbenzene	8.44	17.4	0.21	U	µg/L	0.21	U	µg/L	0.21	U	µg/L	0.21	U	µg/L
8260	2014 10	1,2,4-Trimethylbenzene	8.44	17.4	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	1,2,4-Trimethylbenzene	8.44	17.4	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2013 05	1,2-Dibromo-3-chloropropane	No Value	No Value	0.4	U	µg/L	0.4	U	µg/L	0.4	U	µg/L			
8260	2013 10	1,2-Dibromo-3-chloropropane	No Value	No Value	0.25	U	µg/L	0.25	U	µg/L	0.25	U	µg/L			
8260	2014 04	1,2-Dibromo-3-chloropropane	No Value	No Value	0.25	U	µg/L	0.25	U	µg/L	0.25	U	µg/L	0.25	U	µg/L
8260	2014 10	1,2-Dibromo-3-chloropropane	No Value	No Value	1	U	µg/L	1	U	µg/L	1	U	µg/L	1	U	µg/L
8260	2015 04	1,2-Dibromo-3-chloropropane	No Value	No Value	1	U	µg/L	1	U	µg/L	1	U	µg/L	1	U	µg/L
8260	2013 05	1,2-Dibromoethane	0.05	0.05	0.4	U	µg/L	0.4	U	µg/L	0.4	U	µg/L			
8260	2013 10	1,2-Dibromoethane	0.05	0.05	0.18	U	µg/L	0.18	U	µg/L	0.18	U	µg/L			
8260	2014 04	1,2-Dibromoethane	0.05	0.05	0.18	U	µg/L	0.18	U	µg/L	0.18	U	µg/L	0.18	U	µg/L
8260	2014 10	1,2-Dibromoethane	0.05	0.05	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	1,2-Dibromoethane	0.05	0.05	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2013 05	1,2-Dichlorobenzene	600	600	0.4	U	µg/L	0.4	U	µg/L	0.4	U	µg/L			
8270	2013 05	1,2-Dichlorobenzene	600	600	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8260	2013 10	1,2-Dichlorobenzene	600	600	0.25	U	µg/L	0.25	U	µg/L	0.25	U	µg/L			
8260	2014 04	1,2-Dichlorobenzene	600	600	0.25	U	µg/L	0.25	U	µg/L	0.25	U	µg/L	0.25	U	µg/L
8260	2014 10	1,2-Dichlorobenzene	600	600	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	1,2-Dichlorobenzene	600	600	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2013 05	1,2-Dichloroethane	5	5	0.4	U	µg/L	0.4	U	µg/L	0.4	U	µg/L			
8260	2013 10	1,2-Dichloroethane	5	5	0.19	U	µg/L	0.19	U	µg/L	0.19	U	µg/L			
8260	2014 04	1,2-Dichloroethane	5	5	0.19	U	µg/L	0.19	U	µg/L	0.19	U	µg/L	0.19	U	µg/L
8260	2014 10	1,2-Dichloroethane	5	5	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	1,2-Dichloroethane	5	5	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2013 05	1,2-Dichloropropane	5	5	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2013 10	1,2-Dichloropropane	5	5	0.35	U	µg/L	0.35	U	µg/L	0.35	U	µg/L			
8260	2014 04	1,2-Dichloropropane	5	5	0.35	U	µg/L	0.35	U	µg/L	0.35	U	µg/L	0.35	U	µg/L
8260	2014 10	1,2-Dichloropropane	5	5	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	1,2-Dichloropropane	5	5	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2013 05	1,3,5-Trimethylbenzene	44	88.4	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2013 10	1,3,5-Trimethylbenzene	44	88.4	0.21	U	µg/L	0.21	U	µg/L	0.21	U	µg/L			
8260	2014 04	1,3,5-Trimethylbenzene	44	88.4	0.21	U	µg/L	0.21	U	µg/L	0.21	U	µg/L	0.21	U	µg/L
8260	2014 10	1,3,5-Trimethylbenzene	44	88.4	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	1,3,5-Trimethylbenzene	44	88.4	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8270	2013 05	1,3,5-Trinitrobenzene	No Value	No Value	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8330	2013 05	1,3,5-Trinitrobenzene	No Value	No Value	0.052	U	µg/L	0.051	U	µg/L	0.051	U	µg/L			
8321	2013 10	1,3,5-Trinitrobenzene	No Value	No Value	0.048	U	µg/L	0.054	U	µg/L	0.047	U	µg/L			
8321	2014 04	1,3,5-Trinitrobenzene	No Value	No Value	0.048	U	µg/L	0.048	U	µg/L	0.049	U	µg/L			
8330	2014 04	1,3,5-Trinitrobenzene	No Value	No Value				</td								

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	Kansas Risk-Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06
8260	2013 05	1,3-Dichlorobenzene	No Value	No Value	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$		
8270	2013 05	1,3-Dichlorobenzene	No Value	No Value	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$		
8260	2013 10	1,3-Dichlorobenzene	No Value	No Value	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$		
8260	2014 04	1,3-Dichlorobenzene	No Value	No Value	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$
8260	2014 10	1,3-Dichlorobenzene	No Value	No Value	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8260	2015 04	1,3-Dichlorobenzene	No Value	No Value	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8260	2013 05	1,3-Dichloropropane	No Value	No Value	0.2 U $\mu\text{g/L}$	0.2 U $\mu\text{g/L}$	0.2 U $\mu\text{g/L}$		
8260	2013 10	1,3-Dichloropropane	No Value	No Value	0.23 U $\mu\text{g/L}$	0.23 U $\mu\text{g/L}$	0.23 U $\mu\text{g/L}$		
8260	2014 04	1,3-Dichloropropane	No Value	No Value	0.23 U $\mu\text{g/L}$	0.23 U $\mu\text{g/L}$	0.23 U $\mu\text{g/L}$	0.23 U $\mu\text{g/L}$	0.23 U $\mu\text{g/L}$
8260	2014 10	1,3-Dichloropropane	No Value	No Value	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8260	2015 04	1,3-Dichloropropane	No Value	No Value	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8330	2013 05	1,3-Dinitrobenzene	No Value	No Value	0.1 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$		
8321	2013 10	1,3-Dinitrobenzene	No Value	No Value	0.048 U $\mu\text{g/L}$	0.054 U $\mu\text{g/L}$	0.047 U $\mu\text{g/L}$		
8321	2014 04	1,3-Dinitrobenzene	No Value	No Value	0.048 U $\mu\text{g/L}$	0.048 U $\mu\text{g/L}$	0.049 U $\mu\text{g/L}$		
8330	2014 04	1,3-Dinitrobenzene	No Value	No Value				0.025 U $\mu\text{g/L}$	0.025 U $\mu\text{g/L}$
8321	2014 10	1,3-Dinitrobenzene	No Value	No Value	0.051 U $\mu\text{g/L}$	0.052 U $\mu\text{g/L}$	0.051 U $\mu\text{g/L}$		
8330	2014 10	1,3-Dinitrobenzene	No Value	No Value				0.11 U $\mu\text{g/L}$	0.11 U $\mu\text{g/L}$
8321	2015 04	1,3-Dinitrobenzene	No Value	No Value	0.05 U $\mu\text{g/L}$	0.05 U $\mu\text{g/L}$	0.05 U $\mu\text{g/L}$		
8330	2015 04	1,3-Dinitrobenzene	No Value	No Value				0.2 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$
6020	2015 10	1,3-Dinitrobenzene	No Value	No Value	0.031 U $\mu\text{g/L}$	0.032 U $\mu\text{g/L}$	0.031 U $\mu\text{g/L}$	0.031 U $\mu\text{g/L}$	0.031 U $\mu\text{g/L}$
8260	2013 05	1,4-Dichlorobenzene	75	75	0.2 U $\mu\text{g/L}$	0.2 U $\mu\text{g/L}$	0.2 U $\mu\text{g/L}$		
8270	2013 05	1,4-Dichlorobenzene	75	75	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$		
8260	2013 10	1,4-Dichlorobenzene	75	75	0.18 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$		
8260	2014 04	1,4-Dichlorobenzene	75	75	0.18 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$
8260	2014 10	1,4-Dichlorobenzene	75	75	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8260	2015 04	1,4-Dichlorobenzene	75	75	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8260	2013 05	1,4-Dioxane	77.2	259	25 U $\mu\text{g/L}$	25 U $\mu\text{g/L}$	25 U $\mu\text{g/L}$		
8270	2013 05	1,4-Naphthoquinone	No Value	No Value	9.5 U $\mu\text{g/L}$	9.6 U $\mu\text{g/L}$	9.6 U $\mu\text{g/L}$		
8270	2013 05	1-NAPHTHALENAMINE	No Value	No Value	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$		
8260	2013 05	2,2-Dichloropropane	No Value	No Value	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$		
8260	2013 10	2,2-Dichloropropane	No Value	No Value	0.44 U $\mu\text{g/L}$	0.44 U $\mu\text{g/L}$	0.44 U $\mu\text{g/L}$		
8260	2014 04	2,2-Dichloropropane	No Value	No Value	0.44 U $\mu\text{g/L}$	0.44 U $\mu\text{g/L}$	0.44 U $\mu\text{g/L}$	0.44 U $\mu\text{g/L}$	0.44 U $\mu\text{g/L}$
8260	2014 10	2,2-Dichloropropane	No Value	No Value	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8260	2015 04	2,2-Dichloropropane	No Value	No Value	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$	0.6 U $\mu\text{g/L}$
8290	2013 05	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	No Value	No Value	0.34 U $\mu\text{g/L}$	0.43 U $\mu\text{g/L}$	0.28 U $\mu\text{g/L}$		
8290	2013 10	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	No Value	No Value	0.0317 U $\mu\text{g/L}$	0.0341 U $\mu\text{g/L}$	0.0338 U $\mu\text{g/L}$		
8290	2014 04	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	No Value	No Value	0.035 U $\mu\text{g/L}$	0.0338 U $\mu\text{g/L}$	0.0334 U $\mu\text{g/L}$		
8290	2014 10	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	No Value	No Value	0.0346 U $\mu\text{g/L}$	0.0347 U $\mu\text{g/L}$	0.0335 U $\mu\text{g/L}$		
8290	2015 04	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	No Value	No Value	0.000193 U $\mu\text{g/L}$	0.000146 U $\mu\text{g/L}$	0.000337 U $\mu\text{g/L}$		
8270	2013 05	2,3,4,6-Tetrachlorophenol	320	1870	9.5 U $\mu\text{g/L}$	9.6 U $\mu\text{g/L}$	9.6 U $\mu\text{g/L}$		
8290	2013 05	2,3,4,7,8-PENTACHLORODIBENZOFURAN	No Value	No Value	0.8 U $\mu\text{g/L}$	0.77 U $\mu\text{g/L}$	0.81 U $\mu\text{g/L}$		
8290	2013 10	2,3,4,7,8-PENTACHLORODIBENZOFURAN	No Value	No Value	0.0317 U $\mu\text{g/L}$	0.0341 U $\mu\text{g/L}$	0.0338 U $\mu\text{g/L}$		
8290	2014 04	2,3,4,7,8-PENTACHLORODIBENZOFURAN	No Value	No Value	0.035 U $\mu\text{g/L}$	0.0338 U $\mu\text{g/L}$	0.0334 U $\mu\text{g/L}$		
8290	2014 10	2,3,4,7,8-PENTACHLORODIBENZOFURAN	No Value	No Value	0.0346 U $\mu\text{g/L}$	0.0347 U $\mu\text{g/L}$	0.0335 U $\mu\text{g/L}$		
8290	2015 04	2,3,4,7,8-PENTACHLORODIBENZOFURAN	No Value	No Value	0.000133 U $\mu\text{g/L}$	0.000137 U $\mu\text{g/L}$	0.000326 U $\mu\text{g/L}$		
8290	2013 05	2,3,7,8-TETRACHLORODIBENZOFURAN	No Value	No Value	0.91 U $\mu\text{g/L}$	0.73 U $\mu\text{g/L}$	0.71 U $\mu\text{g/L}$		
8290	2013 10	2,3,7,8-TETRACHLORODIBENZOFURAN	No Value	No Value	0.00633 U $\mu\text{g/L}$	0.00681 U $\mu\text{g/L}$	0.00674 U $\mu\text{g/L}$		
8290	2014 04	2,3,7,8-TETRACHLORODIBENZOFURAN	No Value	No Value	0.00699 U $\mu\text{g/L}$	0.00674 U $\mu\text{g/L}$	0.00666 U $\mu\text{g/L}$		
8290	2014 10	2,3,7,8-TETRACHLORODIBENZOFURAN	No Value	No Value	0.0069 U $\mu\text{g/L}$	0.00692 U $\mu\text{g/L}$	0.00668 U $\mu\text{g/L}$		
8290	2015 04	2,3,7,8-TETRACHLORODIBENZOFURAN	No Value	No Value	0.000258 U $\mu\text{g/L}$	0.000269 U $\mu\text{g/L}$	0.000483 U $\mu\text{g/L}$		
8290	2013 05	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.00003	0.00003	0.0000059 U $\mu\text{g/L}$	0.0000064 U $\mu\text{g/L}$	0.0000062 U $\mu\text{g/L}$		
8290	2013 10	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.00003	0.00003	0.0000633 U $\mu\text{g/L}$	0.0000681 U $\mu\text{g/L}$	0.0000674 U $\mu\text{g/L}$		
8290	2014 04	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.00003	0.00003	0.0000699 U $\mu\text{g/L}$	0.0000674 U $\mu\text{g/L}$	0.0000666 U $\mu\text{g/L}$		
8290	2014								

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06						
8270	2013 05	2,4,5-Trichlorophenol	1260	7710	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L						
8270	2013 10	2,4,5-Trichlorophenol	1260	7710	0.25	U	µg/L	0.27	U	µg/L	0.25	U	µg/L						
8270	2014 04	2,4,5-Trichlorophenol	1260	7710	0.28	U	µg/L	0.26	U	µg/L	0.26	U	µg/L						
8270	2014 10	2,4,5-Trichlorophenol	1260	7710	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L						
8270	2015 04	2,4,5-Trichlorophenol	1260	7710	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L						
8270	2013 05	2,4,6-Trichlorophenol	No Value	No Value	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L						
8270	2013 10	2,4,6-Trichlorophenol	No Value	No Value	0.28	U	µg/L	0.3	U	µg/L	0.28	U	µg/L						
8270	2014 04	2,4,6-Trichlorophenol	No Value	No Value	0.31	U	µg/L	0.3	U	µg/L	0.3	U	µg/L						
8270	2014 10	2,4,6-Trichlorophenol	No Value	No Value	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L						
8270	2015 04	2,4,6-Trichlorophenol	No Value	No Value	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L						
8330	2013 03	2,4,6-Trinitrotoluene	7.77	50.7										0.624	U	µg/L	0.515	U	µg/L
8330	2013 05	2,4,6-Trinitrotoluene	7.77	50.7	0.1	U	µg/L	0.1	U	µg/L	0.1	U	µg/L						
8330	2013 09	2,4,6-Trinitrotoluene	7.77	50.7										0.39	U	µg/L	0.078	U	µg/L
8321	2013 10	2,4,6-Trinitrotoluene	7.77	50.7	0.048	U	µg/L	0.054	U	µg/L	0.047	U	µg/L						
8321	2014 04	2,4,6-Trinitrotoluene	7.77	50.7	0.048	U	µg/L	0.048	U	µg/L	0.049	U	µg/L						
8330	2014 04	2,4,6-Trinitrotoluene	7.77	50.7										0.018	U	µg/L	0.018	U	µg/L
8321	2014 10	2,4,6-Trinitrotoluene	7.77	50.7	0.051	U	µg/L	0.052	U	µg/L	0.051	U	µg/L						
8330	2014 10	2,4,6-Trinitrotoluene	7.77	50.7										0.11	U	µg/L	0.11	U	µg/L
8321	2015 04	2,4,6-Trinitrotoluene	7.77	50.7	0.05	U	µg/L	0.05	U	µg/L	0.05	U	µg/L						
8330	2015 04	2,4,6-Trinitrotoluene	7.77	50.7										0.2	U	µg/L	0.1	U	µg/L
6020	2015 10	2,4,6-Trinitrotoluene	7.77	50.7	0.058	U	µg/L	0.059	U	µg/L	0.058	U	µg/L	0.058	U	µg/L	0.059	U	µg/L
8270	2013 05	2,4-Dichlorophenol	41.2	258	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L						
8270	2013 10	2,4-Dichlorophenol	41.2	258	0.22	U	µg/L	0.23	U	µg/L	0.22	U	µg/L						
8270	2014 04	2,4-Dichlorophenol	41.2	258	0.24	U	µg/L	0.23	U	µg/L	0.23	U	µg/L						
8270	2014 10	2,4-Dichlorophenol	41.2	258	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L						
8270	2015 04	2,4-Dichlorophenol	41.2	258	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L						
8270	2013 05	2,4-Dimethylphenol	292	1860	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L						
8270	2013 10	2,4-Dimethylphenol	292	1860	0.52	U	µg/L	0.56	U	µg/L	0.52	U	µg/L						
8270	2014 04	2,4-Dimethylphenol	292	1860	0.58	U	µg/L	0.55	U	µg/L	0.55	U	µg/L						
8270	2014 10	2,4-Dimethylphenol	292	1860	1	U	µg/L	1	U	µg/L	1	U	µg/L						
8270	2015 04	2,4-Dimethylphenol	292	1860	1.1	U	µg/L	1	U	µg/L	1	U	µg/L						
8270	2013 05	2,4-Dinitrophenol	31	202	48	U	µg/L	48	U	µg/L	48	U	µg/L						
8270	2013 10	2,4-Dinitrophenol	31	202	5.3	U	µg/L	5.7	U	µg/L	5.3	U	µg/L						
8270	2014 04	2,4-Dinitrophenol	31	202	5.9	U	µg/L	5.7	U	µg/L	5.7	U	µg/L						
8270	2014 10	2,4-Dinitrophenol	31	202	10	U	µg/L	10	U	µg/L	10	U	µg/L						
8270	2015 04	2,4-Dinitrophenol	31	202	11	U	µg/L	10	U	µg/L	10	U	µg/L						
8330	2013 03	2,4-Dinitrotoluene	2.67	8.98										0.624	U	µg/L	0.515	U	µg/L
8270	2013 05	2,4-Dinitrotoluene	2.67	8.98	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L						
8330	2013 05	2,4-Dinitrotoluene	2.67	8.98	0.1	U	µg/L	0.1	U	µg/L	0.1	U	µg/L						
8330	2013 09	2,4-Dinitrotoluene	2.67	8.98										0.39	U	µg/L	0.078	U	µg/L
8270	2013 10	2,4-Dinitrotoluene	2.67	8.98	0.23	U	µg/L	0.25	U	µg/L	0.23	U	µg/L						
8321	2013 10	2,4-Dinitrotoluene	2.67	8.98	0.048	U	µg/L	0.054	U	µg/L	0.047	U	µg/L						
8270	2014 04	2,4-Dinitrotoluene	2.67	8.98	0.26	U	µg/L	0.25	U	µg/L	0.25	U	µg/L						
8321	2014 04	2,4-Dinitrotoluene	2.67	8.98	0.023	J	µg/L	0.048	U	µg/L	0.049	U	µg/L						
8330	2014 04	2,4-Dinitrotoluene	2.67	8.98										0.03	U	µg/L	0.03	U	µg/L
8270	2014 10	2,4-Dinitrotoluene	2.67	8.98	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L						
8321	2014 10	2,4-Dinitrotoluene	2.67	8.98	0.051	U	µg/L	0.052	U	µg/L	0.051	U	µg/L						
8330	2014 10	2,4-Dinitrotoluene	2.67	8.98										0.11	U	µg/L	0.11	U	µg/L
8270	2015 04	2,4-Dinitrotoluene	2.67	8.98	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L						
8321	2015 04	2,4-Dinitrotoluene	2.67	8.98	0.05	U	µg/L	0.05	U	µg/L	0.05	U	µg/L						

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	'Kansas Risk- Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06
8270	2013 05	2,6-Dinitrotoluene	15.4	100	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$		
8330	2013 05	2,6-Dinitrotoluene	15.4	100	0.1 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$		
8270	2013 10	2,6-Dinitrotoluene	15.4	100	0.26 U $\mu\text{g/L}$	0.28 U $\mu\text{g/L}$	0.26 U $\mu\text{g/L}$		
8321	2013 10	2,6-Dinitrotoluene	15.4	100	0.048 U $\mu\text{g/L}$	0.054 U $\mu\text{g/L}$	0.047 U $\mu\text{g/L}$		
8270	2014 04	2,6-Dinitrotoluene	15.4	100	0.29 U $\mu\text{g/L}$	0.28 U $\mu\text{g/L}$	0.28 U $\mu\text{g/L}$		
8321	2014 04	2,6-Dinitrotoluene	15.4	100	0.048 U $\mu\text{g/L}$	0.048 U $\mu\text{g/L}$	0.049 U $\mu\text{g/L}$		
8330	2014 04	2,6-Dinitrotoluene	15.4	100				0.028 U $\mu\text{g/L}$	0.028 U $\mu\text{g/L}$
8270	2014 10	2,6-Dinitrotoluene	15.4	100	0.51 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$	0.5 U $\mu\text{g/L}$		
8321	2014 10	2,6-Dinitrotoluene	15.4	100	0.051 U $\mu\text{g/L}$	0.052 U $\mu\text{g/L}$	0.051 U $\mu\text{g/L}$		
8330	2014 10	2,6-Dinitrotoluene	15.4	100				0.11 U $\mu\text{g/L}$	0.11 U $\mu\text{g/L}$
8270	2015 04	2,6-Dinitrotoluene	15.4	100	0.53 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$		
8321	2015 04	2,6-Dinitrotoluene	15.4	100	0.05 U $\mu\text{g/L}$	0.05 U $\mu\text{g/L}$	0.05 U $\mu\text{g/L}$		
8330	2015 04	2,6-Dinitrotoluene	15.4	100				0.2 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$
6020	2015 10	2,6-Dinitrotoluene	15.4	100	0.058 U $\mu\text{g/L}$	0.059 U $\mu\text{g/L}$	0.058 U $\mu\text{g/L}$	0.058 U $\mu\text{g/L}$	0.059 U $\mu\text{g/L}$
8270	2013 05	2-Acetylaminofluorene	No Value	No Value	9.5 U $\mu\text{g/L}$	9.6 U $\mu\text{g/L}$	9.6 U $\mu\text{g/L}$		
8330	2013 05	2-Amino-4,6-Dinitrotoluene	No Value	No Value	0.1 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$		
8321	2013 10	2-Amino-4,6-Dinitrotoluene	No Value	No Value	0.048 U $\mu\text{g/L}$	0.054 U $\mu\text{g/L}$	0.047 U $\mu\text{g/L}$		
8321	2014 04	2-Amino-4,6-Dinitrotoluene	No Value	No Value	0.048 U $\mu\text{g/L}$	0.048 U $\mu\text{g/L}$	0.049 U $\mu\text{g/L}$		
8330	2014 04	2-Amino-4,6-Dinitrotoluene	No Value	No Value				0.023 U $\mu\text{g/L}$	0.023 U $\mu\text{g/L}$
8321	2014 10	2-Amino-4,6-Dinitrotoluene	No Value	No Value	0.051 U $\mu\text{g/L}$	0.052 U $\mu\text{g/L}$	0.051 U $\mu\text{g/L}$		
8330	2014 10	2-Amino-4,6-Dinitrotoluene	No Value	No Value				0.11 U $\mu\text{g/L}$	0.11 U $\mu\text{g/L}$
8321	2015 04	2-Amino-4,6-Dinitrotoluene	No Value	No Value	0.05 U $\mu\text{g/L}$	0.05 U $\mu\text{g/L}$	0.05 U $\mu\text{g/L}$		
8330	2015 04	2-Amino-4,6-Dinitrotoluene	No Value	No Value				0.2 U $\mu\text{g/L}$	0.1 U $\mu\text{g/L}$
6020	2015 10	2-Amino-4,6-dinitrotoluene	No Value	No Value	0.058 U $\mu\text{g/L}$	0.059 U $\mu\text{g/L}$	0.058 U $\mu\text{g/L}$	0.058 U $\mu\text{g/L}$	0.059 U $\mu\text{g/L}$
8260	2013 05	2-Butanone	4920	11800	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$		
8260	2013 10	2-Butanone	4920	11800	0.28 U $\mu\text{g/L}$	0.28 U $\mu\text{g/L}$	0.28 U $\mu\text{g/L}$		
8260	2014 04	2-Butanone	4920	11800	0.28 U $\mu\text{g/L}$				
8260	2014 10	2-Butanone	4920	11800	5 U $\mu\text{g/L}$				
8260	2015 04	2-Butanone	4920	11800	5 U $\mu\text{g/L}$	5 U $\mu\text{g/L}$	5 J $\mu\text{g/L}$	5 U $\mu\text{g/L}$	5 U $\mu\text{g/L}$
8270	2013 05	2-Choronaphthalene	344	700	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$		
8270	2013 10	2-Choronaphthalene	344	700	0.65 U $\mu\text{g/L}$	0.7 U $\mu\text{g/L}$	0.65 U $\mu\text{g/L}$		
8270	2014 04	2-Choronaphthalene	344	700	0.72 U $\mu\text{g/L}$	0.69 U $\mu\text{g/L}$	0.69 U $\mu\text{g/L}$		
8270	2014 10	2-Choronaphthalene	344	700	1 U $\mu\text{g/L}$	1 U $\mu\text{g/L}$	1 U $\mu\text{g/L}$		
8270	2015 04	2-Choronaphthalene	344	700	1.1 U $\mu\text{g/L}$	1 U $\mu\text{g/L}$	1 U $\mu\text{g/L}$		
8270	2013 05	2-Chlorophenol	No Value	No Value	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$		
8270	2013 10	2-Chlorophenol	No Value	No Value	0.18 U $\mu\text{g/L}$	0.19 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$		
8270	2014 04	2-Chlorophenol	No Value	No Value	0.2 U $\mu\text{g/L}$	0.19 U $\mu\text{g/L}$	0.19 U $\mu\text{g/L}$		
8270	2014 10	2-Chlorophenol	No Value	No Value	0.51 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$	0.5 U $\mu\text{g/L}$		
8270	2015 04	2-Chlorophenol	No Value	No Value	0.53 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$		
8260	2013 05	2-Chlorotoluene	88.9	178	0.2 U $\mu\text{g/L}$	0.2 U $\mu\text{g/L}$	0.2 U $\mu\text{g/L}$		
8260	2013 10	2-Chlorotoluene	88.9	178	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$		
8260	2014 04	2-Chlorotoluene	88.9	178	0.21 U $\mu\text{g/L}$				
8260	2014 10	2-Chlorotoluene	88.9	178	0.6 U $\mu\text{g/L}$				
8260	2015 04	2-Chlorotoluene	88.9	178	0.6 U $\mu\text{g/L}$				
8260	2013 05	2-Hexanone	No Value	No Value	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$	0.4 U $\mu\text{g/L}$		
8260	2013 10	2-Hexanone	No Value	No Value	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$	0.21 U $\mu\text{g/L}$		
8260	2014 04	2-Hexanone	No Value	No Value	0.21 U $\mu\text{g/L}$				
8260	2014 10	2-Hexanone	No Value	No Value	0.6 U $\mu\text{g/L}$				
8260	2015 04	2-Hexanone	No Value	No Value	0.6 U $\mu\text{g/L}$				
8270	2013 05	2-Methyl-4,6-dinitrophenol	No Value	No Value	19 U $\mu\text{g/L}$	19 U $\mu\text{g/L}$	19 U $\mu\text{g/L}$		
8270	2013 05	2-Methylnaphthalene	16.7	34.6	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$	2.9 U $\mu\text{g/L}$		
8270	2013 10	2-Methylnaphthalene	16.7	34.6	0.23 U $\mu\text{g/L}$	0.25 U $\mu\text{g/L}$	0.23 U $\mu\text{g/L}$		
8270	2014 04	2-Methylnaphthalene	16.7	34.6	0.26 U $\mu\text{g/L}$	0.25 U $\mu\text{g/L}$	0.25 U $\mu\text{g/L}$		
8270	2014 10	2-Methylnaphthalene	16.7	34.6	0.51 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$	0.5 U $\mu\text{g/L}$		
8270	2015 04	2-Methylnaphthalene	16.7	34.6	0.53 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$	0.51 U $\mu\text{g/L}$		
8270	2013 10	2-Methylphenol	744	4780	0.18 U $\mu\text{g/L}$	0.19 U $\mu\text{g/L}$	0.18 U $\mu\text{g/L}$		
8270	2014 04	2-Methylphenol	744	4780	0.2 U $\mu\text{g/L}$	0.19 U $\mu\text{g/L}$			

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	'Kansas Risk- Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
			No Value	No Value	2.9 U	$\mu\text{g/L}$								
8270	2013 05	2-METHYLPHENOL (o-CRESOL)	744	4780	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2015 04	2-METHYLPHENOL (o-CRESOL)	744	4780	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	2-Naphthylamine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	2-Nitroaniline	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	2-Nitroaniline	No Value	No Value	0.23 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$				
8270	2014 04	2-Nitroaniline	No Value	No Value	0.25 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8270	2014 10	2-Nitroaniline	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2015 04	2-Nitroaniline	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	2-Nitrophenol	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	2-Nitrophenol	No Value	No Value	0.22 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$				
8270	2014 04	2-Nitrophenol	No Value	No Value	0.25 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8270	2014 10	2-Nitrophenol	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2015 04	2-Nitrophenol	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8330	2013 05	2-Nitrotoluene	No Value	No Value	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$				
8321	2013 10	2-Nitrotoluene	No Value	No Value	0.048 U	$\mu\text{g/L}$	0.054 U	$\mu\text{g/L}$	0.047 U	$\mu\text{g/L}$				
8321	2014 04	2-Nitrotoluene	No Value	No Value	0.18	$\mu\text{g/L}$	0.048 U	$\mu\text{g/L}$	0.049 U	$\mu\text{g/L}$				
8330	2014 04	2-Nitrotoluene	No Value	No Value							0.025 U	$\mu\text{g/L}$	0.025 U	$\mu\text{g/L}$
8321	2014 10	2-Nitrotoluene	No Value	No Value	0.051 U	$\mu\text{g/L}$	0.052 U	$\mu\text{g/L}$	0.051 U	$\mu\text{g/L}$	0.11 U	$\mu\text{g/L}$	0.11 U	$\mu\text{g/L}$
8321	2015 04	2-Nitrotoluene	No Value	No Value	0.05 U	$\mu\text{g/L}$	0.05 U	$\mu\text{g/L}$	0.05 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$
6020	2015 10	2-Nitrotoluene	No Value	No Value	0.058 U	$\mu\text{g/L}$	0.059 U	$\mu\text{g/L}$	0.058 U	$\mu\text{g/L}$	0.058 U	$\mu\text{g/L}$	0.059 U	$\mu\text{g/L}$
8270	2013 05	2-Picoline	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	3 & 4 METHYLPHENOL (m & p-Cresol)	No Value	No Value	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$				
8270	2013 05	3,3'-Dichlorobenzidine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	3,3'-Dichlorobenzidine	No Value	No Value	5.2 U	$\mu\text{g/L}$	5.6 U	$\mu\text{g/L}$	5.2 U	$\mu\text{g/L}$				
8270	2014 04	3,3'-Dichlorobenzidine	No Value	No Value	5.8 U	$\mu\text{g/L}$	5.5 U	$\mu\text{g/L}$	5.5 U	$\mu\text{g/L}$				
8270	2014 10	3,3'-Dichlorobenzidine	No Value	No Value	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$				
8270	2015 04	3,3'-Dichlorobenzidine	No Value	No Value	11 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$				
8270	2013 05	3,3'-Dimethylbenzidine	No Value	No Value	48 U	$\mu\text{g/L}$	48 U	$\mu\text{g/L}$	48 U	$\mu\text{g/L}$				
8330	2013 05	3,5-Dinitroaniline	No Value	No Value	0.1 U	$\mu\text{g/L}$	0.06 J	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$				
8260	2013 05	3-Chloropropene	No Value	No Value	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
8270	2013 05	3-Methylcholanthrene	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	3-Nitroaniline	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	3-Nitroaniline	No Value	No Value	0.32 U	$\mu\text{g/L}$	0.35 U	$\mu\text{g/L}$	0.32 U	$\mu\text{g/L}$				
8270	2014 04	3-Nitroaniline	No Value	No Value	0.36 U	$\mu\text{g/L}$	0.34 U	$\mu\text{g/L}$	0.34 U	$\mu\text{g/L}$				
8270	2014 10	3-Nitroaniline	No Value	No Value	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
8270	2015 04	3-Nitroaniline	No Value	No Value	1.1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
8330	2013 05	3-Nitrotoluene	No Value	No Value	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$				
8321	2013 10	3-Nitrotoluene	No Value	No Value	0.048 U	$\mu\text{g/L}$	0.054 U	$\mu\text{g/L}$	0.047 U	$\mu\text{g/L}$				
8321	2014 04	3-Nitrotoluene	No Value	No Value	0.035 J	$\mu\text{g/L}$	0.048 U	$\mu\text{g/L}$	0.049 U	$\mu\text{g/L}$				
8330	2014 04	3-Nitrotoluene	No Value	No Value							0.023 U	$\mu\text{g/L}$	0.023 U	$\mu\text{g/L}$
8321	2014 10	3-Nitrotoluene	No Value	No Value	0.051 U	$\mu\text{g/L}$	0.052 U	$\mu\text{g/L}$	0.051 U	$\mu\text{g/L}$				
8330	2014 10	3-Nitrotoluene	No Value	No Value							0.11 U	$\mu\text{g/L}$	0.11 U	$\mu\text{g/L}$
8321	2015 04	3-Nitrotoluene	No Value	No Value	0.05 U	$\mu\text{g/L}$	0.05 U	$\mu\text{g/L}$	0.05 U	$\mu\text{g/L}$				
8330	2015 04	3-Nitrotoluene	No Value	No Value							0.2 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$
6020	2015 10	3-Nitrotoluene	No Value	No Value	0.058 U	$\mu\text{g/L}$	0.059 U	$\mu\text{g/L}$	0.058 U	$\mu\text{g/L}$	0.058 U	$\mu\text{g/L}$	0.059 U	$\mu\text{g/L}$
8270	2013 10	4,6-Dinitro-2-methylphenol	No Value	No Value	1.5 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$	1.5 U	$\mu\text{g/L}$				
8270	2014 04	4,6-Dinitro-2-methylphenol	No Value	No Value	1.6 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$				
8270	2014 10	4,6-Dinitro-2-methylphenol	No Value	No Value	2.6 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$				
8270														

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	Kansas Risk-Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
			MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06							
8270	2013 05	4-Bromophenyl phenyl ether	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2015 04	4-Bromophenyl phenyl ether	No Value	No Value	2.6 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$				
8270	2013 10	4-BROMOPHENYL-PHENYLETHER	No Value	No Value	0.94 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	0.94 U	$\mu\text{g/L}$				
8270	2014 04	4-BROMOPHENYL-PHENYLETHER	No Value	No Value	1.1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
8270	2014 10	4-BROMOPHENYL-PHENYLETHER	No Value	No Value	2.6 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$				
8270	2013 05	4-Chloro-3-methylphenol	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2015 04	4-Chloro-3-methylphenol	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 10	4-Chloro-3-methylphenol	No Value	No Value	0.23 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$				
8270	2014 04	4-Chloro-3-methylphenol	No Value	No Value	0.26 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8270	2014 10	4-Chloro-3-methylphenol	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	4-Chloroaniline	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	4-Chloroaniline	No Value	No Value	1.5 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$	1.5 U	$\mu\text{g/L}$				
8270	2014 04	4-Chloroaniline	No Value	No Value	1.7 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$				
8270	2014 10	4-Chloroaniline	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2015 04	4-Chloroaniline	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	4-Chlorophenyl phenyl ether	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	4-Chlorophenyl phenyl ether	No Value	No Value	0.18 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$				
8270	2014 04	4-Chlorophenyl phenyl ether	No Value	No Value	0.2 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$				
8270	2014 10	4-Chlorophenyl phenyl ether	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2015 04	4-Chlorophenyl phenyl ether	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8260	2013 05	4-Chlorotoluene	No Value	No Value	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$				
8260	2013 10	4-Chlorotoluene	No Value	No Value	0.72 U	$\mu\text{g/L}$	0.72 U	$\mu\text{g/L}$	0.72 U	$\mu\text{g/L}$				
8260	2014 04	4-Chlorotoluene	No Value	No Value	0.72 U	$\mu\text{g/L}$								
8260	2014 10	4-Chlorotoluene	No Value	No Value	1 U	$\mu\text{g/L}$								
8260	2015 04	4-Chlorotoluene	No Value	No Value	1 U	$\mu\text{g/L}$								
8260	2013 10	4-Isopropyltoluene	No Value	No Value	0.19 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$				
8260	2014 04	4-Isopropyltoluene	No Value	No Value	0.19 U	$\mu\text{g/L}$								
8260	2014 10	4-Isopropyltoluene	No Value	No Value	0.6 U	$\mu\text{g/L}$								
8260	2015 04	4-Isopropyltoluene	No Value	No Value	0.6 U	$\mu\text{g/L}$								
8260	2013 05	4-Methyl-2-Pentanone	1020	4170	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	4-Methyl-2-Pentanone	1020	4170	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2014 04	4-Methyl-2-Pentanone	1020	4170	0.4 U	$\mu\text{g/L}$								
8260	2014 10	4-Methyl-2-Pentanone	1020	4170	0.6 U	$\mu\text{g/L}$								
8260	2015 04	4-Methyl-2-Pentanone	1020	4170	0.6 U	$\mu\text{g/L}$								
8270	2013 10	4-METHYLPHENOL	74.4	478	0.36 U	$\mu\text{g/L}$	0.39 U	$\mu\text{g/L}$	0.36 U	$\mu\text{g/L}$				
8270	2014 04	4-METHYLPHENOL	74.4	478	0.4 U	$\mu\text{g/L}$	0.38 U	$\mu\text{g/L}$	0.38 U	$\mu\text{g/L}$				
8270	2014 10	4-METHYLPHENOL	74.4	478	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
8270	2015 04	4-Methylphenol (p-cresol)	74.4	478	1.1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
8270	2013 05	4-Nitroaniline	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	4-Nitroaniline	No Value	No Value	0.26 U	$\mu\text{g/L}$	0.28 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$				
8270	2014 04	4-Nitroaniline	No Value	No Value	0.29 U	$\mu\text{g/L}$	0.28 U	$\mu\text{g/L}$	0.28 U	$\mu\text{g/L}$				
8270	2014 10	4-Nitroaniline	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2015 04	4-Nitroaniline	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	4-Nitrophenol	No Value	No Value	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$				
8270	2013 10	4-Nitrophenol	No Value	No Value	4.3 U	$\mu\text{g/L}$	4.6 U	$\mu\text{g/L}$	4.3 U	$\mu\text{g/L}$				
8270	2014 04	4-Nitrophenol	No Value	No Value	4.8 U	$\mu\text{g/L}$	4.6 U	$\mu\text{g/L}$	4.6 U	$\mu\text{g/L}$				
8270	2014 10	4-Nitrophenol	No Value	No Value	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$				
8270	2015 04	4-Nitrophenol	No Value	No Value	11 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$						

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06
8270	2013 05	5-Nitro-o-toluidine	No Value	No Value	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 05	7,12-Dimethylbenz(a)anthracene	No Value	No Value	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 05	A,A-DIMETHYLPHENETHYLAMINE	No Value	No Value	9.5 U µg/L	9.6 U µg/L	9.6 U µg/L		
8270	2013 05	Acenaphthene	253	521	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 10	Acenaphthene	253	521	0.18 U µg/L	0.2 U µg/L	0.18 U µg/L		
8270	2014 04	Acenaphthene	253	521	0.21 U µg/L	0.2 U µg/L	0.2 U µg/L		
8270	2014 10	Acenaphthene	253	521	0.51 U µg/L	0.51 U µg/L	0.5 U µg/L		
8270	2015 04	Acenaphthene	253	521	0.53 U µg/L	0.51 U µg/L	0.51 U µg/L		
8270	2013 05	Acenaphthylene	No Value	No Value	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 10	Acenaphthylene	No Value	No Value	0.19 U µg/L	0.2 U µg/L	0.19 U µg/L		
8270	2014 04	Acenaphthylene	No Value	No Value	0.21 U µg/L	0.2 U µg/L	0.2 U µg/L		
8270	2014 10	Acenaphthylene	No Value	No Value	0.51 U µg/L	0.51 U µg/L	0.5 U µg/L		
8270	2015 04	Acenaphthylene	No Value	No Value	0.53 U µg/L	0.51 U µg/L	0.51 U µg/L		
8260	2013 05	Acetone	11500	45500		4 U			
8260	2013 05	Acetone	11500	45500	4.1 J µg/L		4.3 J µg/L		
8260	2013 10	Acetone	11500	45500	0.44 U µg/L	0.44 U µg/L	0.89 J µg/L		
8260	2014 04	Acetone	11500	45500	2.8 J µg/L	3.1 J µg/L	2 J µg/L	3.2 J µg/L	3.2 J µg/L
8260	2014 10	Acetone	11500	45500	4 J µg/L	4 J µg/L	8.2 J µg/L	4 J µg/L	4 J µg/L
8260	2015 04	Acetone	11500	45500	1.2 J µg/L	6 J µg/L	28 µg/L	1.1 J µg/L	5.8 J µg/L
8270	2013 05	Acetophenone	494	926	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8260	2013 05	Acrolein	0.0415	0.0583	10 U µg/L	10 U µg/L	10 U µg/L		
8260	2013 05	Acrylonitrile	0.491	0.978	8 U µg/L	8 U µg/L	8 U µg/L		
6010B	2013 05	Aluminum	No Value	No Value	110 J µg/L	590 µg/L	220 µg/L		
6020	2014 04	Aluminum	No Value	No Value	6.3 J µg/L	120 µg/L	76 µg/L		
6020	2014 10	Aluminum	No Value	No Value	77 µg/L	72 µg/L	27 J µg/L		
6020	2015 04	Aluminum	No Value	No Value	6.5 J µg/L	450 J µg/L	4.8 J µg/L		
6020	2015 10	Aluminum	No Value	No Value	47 J µg/L	480 µg/L	41 J µg/L	790 µg/L	300 µg/L
8270	2013 05	Aniline	No Value	No Value	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 05	Anthracene	1150	2500	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 10	Anthracene	1150	2500	0.23 U µg/L	0.25 U µg/L	0.23 U µg/L		
8270	2014 04	Anthracene	1150	2500	0.25 U µg/L	0.24 U µg/L	0.24 U µg/L		
8270	2014 10	Anthracene	1150	2500	0.51 U µg/L	0.51 U µg/L	0.5 U µg/L		
8270	2015 04	Anthracene	1150	2500	0.53 U µg/L	0.51 U µg/L	0.51 U µg/L		
6010B	2013 05	Antimony	6	6	20 U µg/L	20 U µg/L	20 U µg/L		
6020	2014 04	Antimony	6	6	0.52 U µg/L	0.52 U µg/L	0.7 J µg/L		
6020	2014 10	Antimony	6	6	1 J µg/L	1 J µg/L	1 J µg/L		
6020	2015 04	Antimony	6	6	1.9 J µg/L	0.53 J µg/L	1 U µg/L		
6020	2015 10	Antimony	6	6	0.57 J µg/L	0.58 J µg/L	0.59 J µg/L	1.5 J µg/L	1 U µg/L
8270	2013 05	Aramite	No Value	No Value	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8082	2013 05	Aroclor 1016	No Value	No Value	0.24 U µg/L	0.24 U µg/L	0.24 U µg/L		
8082	2013 10	Aroclor 1016	No Value	No Value	0.03 U µg/L	0.03 U µg/L	0.03 U µg/L		
8082	2014 04	Aroclor 1016	No Value	No Value	0.032 U µg/L	0.032 U µg/L	0.032 U µg/L		
8082	2014 10	Aroclor 1016	No Value	No Value	0.041 U µg/L	0.041 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1016	No Value	No Value	0.041 U µg/L	0.043 U µg/L	0.04 U µg/L		
8082	2013 05	Aroclor 1221	No Value	No Value	0.24 U µg/L	0.24 U µg/L	0.24 U µg/L		
8082	2013 10	Aroclor 1221	No Value	No Value	0.03 U µg/L	0.03 U µg/L	0.03 U µg/L		
8082	2014 04	Aroclor 1221	No Value	No Value	0.03 U µg/L	0.03 U µg/L	0.03 U µg/L		
8082	2014 10	Aroclor 1221	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1221	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2013 05	Aroclor 1232	No Value	No Value	0.24 U µg/L	0.24 U µg/L	0.24 U µg/L		
8082	2013 10	Aroclor 1232	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2014 04	Aroclor 1232	No Value	No Value	0.041 U µg/L	0.041 U µg/L	0.041 U µg/L		
8082	2014 10	Aroclor 1232	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1232	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2013 05	Aroclor 1242	No Value	No Value	0.24 U µg/L	0.24 U µg/L	0.24 U µg/L		
8082	2013 10	Aroclor 1242	No Value	No Value	0.03 U µg/L	0.04 U µg/L	0.03 U µg/L		
8082	2014 04	Aroclor 1242	No Value	No Value	0.037 U µg/L	0.037 U µg/L	0.037 U µg/L		
8082	2014 10	Aroclor 1242	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1242	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06
8082	2013 05	Aroclor 1248	No Value	No Value	0.24 U µg/L	0.24 U µg/L	0.24 U µg/L		
8082	2013 10	Aroclor 1248	No Value	No Value	0.03 U µg/L	0.03 U µg/L	0.03 U µg/L		
8082	2014 04	Aroclor 1248	No Value	No Value	0.031 U µg/L	0.031 U µg/L	0.031 U µg/L		
8082	2014 10	Aroclor 1248	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1248	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2013 05	Aroclor 1254	No Value	No Value	0.24 U µg/L	0.24 U µg/L	0.24 U µg/L		
8082	2013 10	Aroclor 1254	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2014 04	Aroclor 1254	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2014 10	Aroclor 1254	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1254	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2013 05	Aroclor 1260	No Value	No Value	0.24 U µg/L	0.24 U µg/L	0.24 U µg/L		
8082	2013 10	Aroclor 1260	No Value	No Value	0.03 U µg/L	0.04 U µg/L	0.03 U µg/L		
8082	2014 04	Aroclor 1260	No Value	No Value	0.035 U µg/L	0.035 U µg/L	0.035 U µg/L		
8082	2014 10	Aroclor 1260	No Value	No Value	0.041 U µg/L	0.041 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1260	No Value	No Value	0.041 U µg/L	0.043 U µg/L	0.04 U µg/L		
8082	2013 10	Aroclor 1262	No Value	No Value	0.05 U µg/L	0.05 U µg/L	0.05 U µg/L		
8082	2014 04	Aroclor 1262	No Value	No Value	0.05 U µg/L	0.051 U µg/L	0.05 U µg/L		
8082	2014 10	Aroclor 1262	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1262	No Value	No Value	0.1 U µg/L	0.1 U µg/L	0.1 U µg/L		
8082	2013 10	Aroclor 1268	No Value	No Value	0.09 U µg/L	0.1 U µg/L	0.09 U µg/L		
8082	2014 04	Aroclor 1268	No Value	No Value	0.1 U µg/L	0.1 U µg/L	0.1 U µg/L		
8082	2014 10	Aroclor 1268	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
8082	2015 04	Aroclor 1268	No Value	No Value	0.04 U µg/L	0.04 U µg/L	0.04 U µg/L		
6020	2013 03	Arsenic	10	10				0.00241 J µg/L	0.005 U µg/L
6010B	2013 05	Arsenic	10	10	25 U µg/L	25 U µg/L	25 U µg/L		
6020	2013 10	Arsenic	10	10	0.61 U µg/L	0.61 U µg/L	0.61 U µg/L	0.00311 J µg/L	0.005 U µg/L
6020	2014 04	Arsenic	10	10	0.84 J µg/L	1.4 J µg/L	0.61 U µg/L	2.2 U µg/L	0.61 U µg/L
6020	2014 10	Arsenic	10	10	1 U µg/L	1 U µg/L	17 U µg/L	2.3 U µg/L	1 U µg/L
6020	2015 04	Arsenic	10	10	1 U µg/L	1 U µg/L	4.9 U µg/L	1 U µg/L	1 U µg/L
6020	2015 10	Arsenic	10	10	1 U µg/L	0.78 J µg/L	6.1 U µg/L	3.4 U µg/L	1 U µg/L
8270	2013 05	Azobenzene	No Value	No Value	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
6010B	2013 05	Barium	2000	2000	190 U µg/L	79 U µg/L	78 U µg/L		
6020	2013 10	Barium	2000	2000	200 U µg/L	48 U µg/L	50 U µg/L		
6020	2014 04	Barium	2000	2000	190 U µg/L	53 U µg/L	40 U µg/L	30 U µg/L	50 U µg/L
6020	2014 10	Barium	2000	2000	240 U µg/L	41 U µg/L	54 U µg/L	35 U µg/L	56 U µg/L
6020	2015 04	Barium	2000	2000	150 U µg/L	53 U µg/L	23 J µg/L		
6020	2015 10	Barium	2000	2000	140 U µg/L	49 U µg/L	26 U µg/L	36 U µg/L	79 U µg/L
8260	2013 05	Benzene	5	5	0.14 J µg/L	0.2 U µg/L	0.2 U µg/L		
8260	2013 10	Benzene	5	5	0.2 U µg/L	0.2 U µg/L	0.2 U µg/L		
8260	2014 04	Benzene	5	5	0.2 U µg/L	0.2 U µg/L	0.2 U µg/L	0.2 U µg/L	0.2 U µg/L
8260	2014 10	Benzene	5	5	0.6 U µg/L	0.6 U µg/L	0.6 U µg/L	0.6 U µg/L	0.6 U µg/L
8260	2015 04	Benzene	5	5	0.6 U µg/L	0.6 U µg/L	0.6 U µg/L	0.6 U µg/L	0.6 U µg/L
8270	2013 05	Benzidine	0.00367	0.0123	48 U µg/L	48 U µg/L	48 U µg/L		
8270	2013 05	Benzo(a)anthracene	0.223	0.75	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 10	Benzo(a)anthracene	0.223	0.75	0.19 U µg/L	0.2 U µg/L	0.19 U µg/L		
8270	2014 04	Benzo(a)anthracene	0.223	0.75	0.21 U µg/L	0.2 U µg/L	0.2 U µg/L		
8270	2014 10	Benzo(a)anthracene	0.223	0.75	0.51 U µg/L	0.51 U µg/L	0.5 U µg/L		
8270	2015 04	Benzo(a)anthracene	0.223	0.75	0.53 U µg/L	0.51 U µg/L	0.51 U µg/L		
8270	2013 05	Benzo(a)pyrene	0.2	0.2	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 10	Benzo(a)pyrene	0.2	0.2	0.16 U µg/L	0.17 U µg/L	0.16 U µg/L		
8270	2014 04	Benzo(a)pyrene	0.2	0.2	0.18 U µg/L	0.17 U µg/L	0.17 U µg/L		
8270	2014 10	Benzo(a)pyrene	0.2	0.2	0.51 U µg/L	0.51 U µg/L	0.5 U µg/L		
8270	2015 04	Benzo(a)pyrene	0.2	0.2	0.53 U µg/L	0.51 U µg/L	0.51 U µg/L		
8270	2013 05	Benzo(b)fluoranthene	0.16	0.537	2.9 U µg/L	2.9 U µg/L	2.9 U µg/L		
8270	2013 10	Benzo(b)fluoranthene	0.16	0.537	0.21 U µg/L	0.22 U µg/L	0.21 U µg/L		
8270	2014 04	Benzo(b)fluoranthene	0.16	0.537	0.23 U µg/L	0.22 U µg/L	0.22 U µg/L		
8270	2014 10	Benzo(b)fluoranthene	0.16	0.537	0.51 U µg/L	0.51 U µg/L	0.5 U µg/L		
8270	2015 04	Benzo(b)fluoranthene	0.16	0.537	0.53 U µg/L	0.51 U µg/L	0.51 U µg/L		

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	Kansas Risk-Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
			MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06							
8270	2013 05	Benzo(g,h,i)perylene	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Benzo(g,h,i)perylene	No Value	No Value	0.27 U	$\mu\text{g/L}$	0.29 U	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$				
8270	2014 04	Benzo(g,h,i)perylene	No Value	No Value	0.3 U	$\mu\text{g/L}$	0.29 U	$\mu\text{g/L}$	0.29 U	$\mu\text{g/L}$				
8270	2014 10	Benzo(g,h,i)perylene	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	Benzo(g,h,i)perylene	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	Benzo(k)fluoranthene	1.62	5.43	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Benzo(k)fluoranthene	1.62	5.43	0.21 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$	0.21 U	$\mu\text{g/L}$				
8270	2014 04	Benzo(k)fluoranthene	1.62	5.43	0.23 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$				
8270	2014 10	Benzo(k)fluoranthene	1.62	5.43	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	Benzo(k)fluoranthene	1.62	5.43	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	Benzoic acid	No Value	No Value	48 U	$\mu\text{g/L}$	48 U	$\mu\text{g/L}$	48 U	$\mu\text{g/L}$				
8270	2013 10	Benzoic acid	No Value	No Value	3.5 U	$\mu\text{g/L}$	3.8 U	$\mu\text{g/L}$	3.5 U	$\mu\text{g/L}$				
8270	2014 04	Benzoic acid	No Value	No Value	3.9 U	$\mu\text{g/L}$	3.7 U	$\mu\text{g/L}$	3.7 U	$\mu\text{g/L}$				
8270	2014 10	Benzoic acid	No Value	No Value	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$				
8270	2015 04	Benzoic acid	No Value	No Value	11 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$	10 U	$\mu\text{g/L}$				
8270	2013 05	Benzyl alcohol	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Benzyl alcohol	No Value	No Value	0.37 U	$\mu\text{g/L}$	0.39 U	$\mu\text{g/L}$	0.37 U	$\mu\text{g/L}$				
8270	2014 04	Benzyl alcohol	No Value	No Value	0.41 U	$\mu\text{g/L}$	0.39 U	$\mu\text{g/L}$	0.39 U	$\mu\text{g/L}$				
8270	2014 10	Benzyl alcohol	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	Benzyl alcohol	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2015 04	Benzyl butyl phthalate	333	1120	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
6010B	2013 05	Beryllium	4	4	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
6020	2014 04	Beryllium	4	4	0.43 J	$\mu\text{g/L}$	0.59 J	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$				
6020	2014 10	Beryllium	4	4	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
6020	2015 04	Beryllium	4	4	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
6020	2015 10	Beryllium	4	4	0.5 U	$\mu\text{g/L}$								
8270	2013 05	Bis(2-chloroethoxy)methane	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Bis(2-chloroethoxy)methane	No Value	No Value	0.28 U	$\mu\text{g/L}$	0.31 U	$\mu\text{g/L}$	0.28 U	$\mu\text{g/L}$				
8270	2014 04	Bis(2-chloroethoxy)methane	No Value	No Value	0.31 U	$\mu\text{g/L}$	0.3 U	$\mu\text{g/L}$	0.3 U	$\mu\text{g/L}$				
8270	2014 10	Bis(2-chloroethoxy)methane	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	bis(2-Chloroethoxy)methane	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	bis(2-Chloroethyl) ether	0.124	0.226	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2015 04	bis(2-Chloroethyl) ether	0.124	0.226	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 10	bis(2-Chloroethyl) ether	0.124	0.226	0.22 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$				
8270	2014 04	bis(2-Chloroethyl) ether	0.124	0.226	0.24 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$				
8270	2014 10	bis(2-Chloroethyl) ether	0.124	0.226	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2013 05	bis(2-Chloroisopropyl)ether	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	bis(2-Chloroisopropyl)ether	No Value	No Value	0.22 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$				
8270	2014 04	bis(2-Chloroisopropyl)ether	No Value	No Value	0.25 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8270	2014 10	bis(2-Chloroisopropyl)ether	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	bis(2-Chloroisopropyl)ether	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	bis(2-Ethylhexyl)phthalate	6	6	4.4 J	$\mu\text{g/L}$	1.6 J	$\mu\text{g/L}$	1.8 J	$\mu\text{g/L}$				
8270	2013 10	bis(2-Ethylhexyl)phthalate	6	6	0.48 J	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$	0.26 J	$\mu\text{g/L}$				
8270	2014 04	bis(2-Ethylhexyl)phthalate	6	6	0.28 U	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$	0.32 J	$\mu\text{g/L}$				
8270	2014 10	bis(2-Ethylhexyl)phthalate	6	6	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	bis(2-Ethylhexyl)phthalate	6	6	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8260	2013 05	Bromobenzene	No Value	No Value	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	Bromobenzene	No Value	No Value	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8260	2014 04	Bromobenzene	No Value	No Value	0.24 U	$\mu\text{g/L}$	0.24 U	$\$						

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Method	Date (yr mo)	Analyte	Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	Kansas Risk-Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
8260	2013 05	Bromodichloromethane	80	80	1.5	U $\mu\text{g/L}$	1.8	U $\mu\text{g/L}$	0.95 J	U $\mu\text{g/L}$				
8260	2013 10	Bromodichloromethane	80	80	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$				
8260	2014 04	Bromodichloromethane	80	80	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$
8260	2014 10	Bromodichloromethane	80	80	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2015 04	Bromodichloromethane	80	80	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2013 05	Bromoform	80	80	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	Bromoform	80	80	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$
8260	2014 04	Bromoform	80	80	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$	0.33 U	$\mu\text{g/L}$
8260	2014 10	Bromoform	80	80	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2015 04	Bromoform	80	80	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2013 05	Bromomethane	7	13.2	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	Bromomethane	7	13.2	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$				
8260	2014 04	Bromomethane	7	13.2	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$
8260	2014 10	Bromomethane	7	13.2	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$
8260	2015 04	Bromomethane	7	13.2	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$
8270	2013 05	Butylbenzylphthalate	333	1120	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Butylbenzylphthalate	333	1120	0.23 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$				
8270	2014 04	Butylbenzylphthalate	333	1120	0.25 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8270	2014 10	Butylbenzylphthalate	333	1120	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
6020	2013 03	Cadmium	5	5							0.002 U	$\mu\text{g/L}$	0.002 U	$\mu\text{g/L}$
6010B	2013 05	Cadmium	5	5	0.66 J	$\mu\text{g/L}$	6.6	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
6020	2013 10	Cadmium	5	5	0.35 J	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$	0.31 J	$\mu\text{g/L}$	2	$\mu\text{g/L}$	1.07 J	$\mu\text{g/L}$
6020	2014 04	Cadmium	5	5	0.34 J	$\mu\text{g/L}$	1.2	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$
6020	2014 10	Cadmium	5	5	0.5 J	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	1.2	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$
6020	2015 04	Cadmium	5	5	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$
6020	2015 10	Cadmium	5	5	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.84 J	$\mu\text{g/L}$
6010B	2013 05	Calcium	No Value	No Value	65000	$\mu\text{g/L}$	80000	$\mu\text{g/L}$	99000	$\mu\text{g/L}$				
6020	2014 04	Calcium	No Value	No Value	59000	$\mu\text{g/L}$	67000	$\mu\text{g/L}$	120000	$\mu\text{g/L}$				
6020	2014 10	Calcium	No Value	No Value	78000	U $\mu\text{g/L}$	74000	U $\mu\text{g/L}$	190000	U $\mu\text{g/L}$				
6020	2015 04	Calcium	No Value	No Value	55000	J $\mu\text{g/L}$	75000	J $\mu\text{g/L}$	140000	J $\mu\text{g/L}$				
6020	2015 10	Calcium	No Value	No Value	64000	$\mu\text{g/L}$	87000	$\mu\text{g/L}$	140000	$\mu\text{g/L}$	61000	$\mu\text{g/L}$	70000	$\mu\text{g/L}$
8270	2013 05	Carbazole	28.7	96.5	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Carbazole	28.7	96.5	0.23 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$				
8270	2014 04	Carbazole	28.7	96.5	0.26 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$				
8270	2014 10	Carbazole	28.7	96.5	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	Carbazole	28.7	96.5	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8260	2013 05	Carbon Disulfide	716	1660	0.55 J	$\mu\text{g/L}$	0.52 J	$\mu\text{g/L}$	0.35 J	$\mu\text{g/L}$				
8260	2013 10	Carbon Disulfide	716	1660	0.15 U	$\mu\text{g/L}$	0.15 U	$\mu\text{g/L}$	0.15 U	$\mu\text{g/L}$				
8260	2014 04	Carbon Disulfide	716	1660	0.15 U	$\mu\text{g/L}$	0.15 U	$\mu\text{g/L}$	0.15 U	$\mu\text{g/L}$	0.15 U	$\mu\text{g/L}$	0.15 U	$\mu\text{g/L}$
8260	2014 10	Carbon Disulfide	716	1660	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2015 04	Carbon Disulfide	716	1660	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2013 05	Carbon tetrachloride	5	5	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	Carbon tetrachloride	5	5	0.36 U	$\mu\text{g/L}$	0.36 U	$\mu\text{g/L}$	0.36 U	$\mu\text{g/L}$				
8260	2014 04	Carbon tetrachloride	5	5	0.36 U	$\mu\text{g/L}$	0.36 U	$\mu\text{g/L}$	0.36 U	$\mu\text{g/L}$	0.36 U	$\mu\text{g/L}$	0.36 U	$\mu\text{g/L}$
8260	2014 10	Carbon tetrachloride	5	5	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2015 04	Carbon tetrachloride	5	5	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2013 05	Chlorobenzene	100	100	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$				
8260	2013 10	Chlorobenzene	100	100	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$				
8260	2014 04	Chlorobenzene	100	100	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$
8260	2014 10	Chlorobenzene	100	100	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2015 04	Chlorobenzene	100	100	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$
8260	2013 05	Chloroethane	14000	26400	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	Chloroethane	14000	26400	0.42 U	$\mu\text{g/L}$	0.42 U	$\mu\text{g/L}$	0.42 U	$\mu\text{g/L}$				
8260	2014 04	Chloroethane	14000	26400	0.42 U	$\mu\text{g/L}$	0.42 U	$\mu\text{g/L}$	0.42 U	$\mu\text{g/L}$	0.42 U	$\mu\text{g/L}$	0.42 U	$\mu\text{g/L}$
8260	2014 10	Chloroethane	14000	26400	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$
8260	2015 04	Chloroethane	14000	26400	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06			
8260	2013 05	Chloroform	80	80	18	µg/L	21	µg/L	16	µg/L						
8260	2013 10	Chloroform	80	80	1.7	µg/L	1.8	µg/L	2.8	µg/L						
8260	2014 04	Chloroform	80	80	0.55	J µg/L	1.1	µg/L	1	µg/L	0.19	U µg/L	0.19	U µg/L		
8260	2014 10	Chloroform	80	80	0.6	J µg/L	0.6	J µg/L	0.6	J µg/L	0.6	U µg/L	0.6	U µg/L		
8260	2015 04	Chloroform	80	80	0.6	U µg/L	0.37	J µg/L	0.6	U µg/L	0.6	U µg/L	0.6	U µg/L		
8260	2013 05	Chloromethane	127	238	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L						
8260	2013 10	Chloromethane	127	238	0.22	U µg/L	0.22	U µg/L	0.22	U µg/L						
8260	2014 04	Chloromethane	127	238	0.22	U µg/L										
8260	2014 10	Chloromethane	127	238	0.6	U µg/L										
8260	2015 04	Chloromethane	127	238	0.6	U µg/L										
8260	2013 05	Chloroprene	No Value	No Value	1	U µg/L	1	U µg/L	1	U µg/L						
6020	2013 03	Chromium	100	100								5	U µg/L	5	U µg/L	
6010B	2013 05	Chromium	100	100	5	U µg/L	5	U µg/L	5	U µg/L						
6020	2013 10	Chromium	100	100	0.7	J µg/L	0.72	J µg/L	1.4	J µg/L	1.6	J µg/L	1.56	J µg/L		
6020	2014 04	Chromium	100	100	0.83	J µg/L	1.8	J µg/L	0.97	J µg/L	0.3	U µg/L	0.3	U µg/L		
6020	2014 10	Chromium	100	100	5.6	J µg/L	1.1	J µg/L	1.4	J µg/L	0.91	J µg/L	0.74	J µg/L		
6020	2015 04	Chromium	100	100	0.67	J µg/L	0.92	J µg/L	0.36	J µg/L	0.34	J µg/L	0.52	J µg/L		
6020	2015 10	Chromium	100	100	0.95	J µg/L	1.2	J µg/L	0.72	J µg/L	1.5	J µg/L	1.1	J µg/L		
8270	2013 05	Chrysene	22.3	75	2.9	U µg/L	2.9	U µg/L	2.9	U µg/L						
8270	2013 10	Chrysene	22.3	75	0.2	U µg/L	0.22	U µg/L	0.2	U µg/L						
8270	2014 04	Chrysene	22.3	75	0.22	U µg/L	0.21	U µg/L	0.21	U µg/L						
8270	2014 10	Chrysene	22.3	75	0.51	U µg/L	0.51	U µg/L	0.5	U µg/L						
8270	2015 04	Chrysene	22.3	75	0.53	U µg/L	0.51	U µg/L	0.51	U µg/L						
8260	2013 05	cis-1,2-Dichloroethene	70	70	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L						
8260	2013 10	cis-1,2-Dichloroethene	70	70	0.17	U µg/L	0.17	U µg/L	0.17	U µg/L						
8260	2014 04	cis-1,2-Dichloroethene	70	70	0.17	U µg/L										
8260	2014 10	cis-1,2-Dichloroethene	70	70	0.6	U µg/L										
8260	2015 04	cis-1,2-Dichloroethene	70	70	0.6	U µg/L										
8260	2013 05	cis-1,3-Dichloropropene	No Value	No Value	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L						
8260	2013 10	cis-1,3-Dichloropropene	No Value	No Value	0.17	U µg/L	0.17	U µg/L	0.17	U µg/L						
8260	2014 04	cis-1,3-Dichloropropene	No Value	No Value	0.17	U µg/L										
8260	2014 10	cis-1,3-Dichloropropene	No Value	No Value	0.6	U µg/L										
8260	2015 04	cis-1,3-Dichloropropene	No Value	No Value	0.6	U µg/L										
6010B	2013 05	Cobalt	4.68	30.6	5	U µg/L	6.4	J µg/L	5	U µg/L						
6020	2014 04	Cobalt	4.68	30.6	0.2	J µg/L	1.8	J µg/L	0.57	J µg/L						
6020	2014 10	Cobalt	4.68	30.6	0.78	J µg/L	0.52	J µg/L	19	U µg/L						
6020	2015 04	Cobalt	4.68	30.6	0.3	J µg/L	0.55	J µg/L	6.8	U µg/L						
6020	2015 10	Cobalt	4.68	30.6	0.23	J µg/L	0.96	J µg/L	3.4	J µg/L	0.95	J µg/L	0.82	J µg/L		
6010B	2013 05	Copper	1300	1300	2.2	J µg/L	6.8	J µg/L	2.7	J µg/L						
6020	2014 04	Copper	1300	1300	1.3	J µg/L	3.1	J µg/L	2.7	J µg/L						
6020	2014 10	Copper	1300	1300	1.8	J µg/L	2.3	J µg/L	8.6	U µg/L						
6020	2015 04	Copper	1300	1300	43	µg/L	36	µg/L	47	µg/L						
6020	2015 10	Copper	1300	1300	2.5	J µg/L	3.3	J µg/L	9.8	U µg/L	2.6	J µg/L	1.1	J µg/L		
8270	2013 05	Dibenz(a,h)anthracene	0.00805	0.027	2.9	U µg/L	2.9	U µg/L	2.9	U µg/L						
8270	2013 10	Dibenz(a,h)anthracene	0.00805	0.027	0.24	U µg/L	0.26	U µg/L	0.24	U µg/L						
8270	2014 04	Dibenz(a,h)anthracene	0.00805	0.027	0.27	U µg/L	0.26	U µg/L	0.26	U µg/L						
8270	2014 10	Dibenz(a,h)anthracene	0.00805	0.027	0.51	U µg/L	0.51	U µg/L	0.5	U µg/L						
8270	2015 04	Dibenz(a,h)anthracene	0.00805	0.027	0.53	U µg/L	0.51	U µg/L	0.51	U µg/L						
8270	2013 05	Dibenzofuran	4.13	8.6	2.9	U µg/L	2.9	U µg/L	2.9	U µg/L						
8270	2013 10	Dibenzofuran	4.13	8.6	0.2	U µg/L	0.21	U µg/L	0.2	U µg/L						
8270	2014 04	Dibenzofuran	4.13	8.6	0.22	U µg/L	0.21	U µg/L	0.21	U µg/L						
8270	2014 10	Dibenzofuran	4.13	8.6	0.51	U µg/L	0.51	U µg/L	0.5	U µg/L						
8270	2015 04	Dibenzofuran	4.13	8.6	0.53	U µg/L	0.51	U µg/L	0.51	U µg/L						
8260	2013 05	Dibromochloromethane	80	80	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L						
8260	2013 10	Dibromochloromethane	80	80	0.21	U µ										

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	Kansas Risk-Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
					MW 01-21	MW 02-21	MW 07-21	MW 21-06	MW 23-06					
8260	2013 05	Dibromomethane	No Value	No Value	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	Dibromomethane	No Value	No Value	0.29 U	$\mu\text{g/L}$	0.29 U	$\mu\text{g/L}$	0.29 U	$\mu\text{g/L}$				
8260	2014 04	Dibromomethane	No Value	No Value	0.29 U	$\mu\text{g/L}$								
8260	2014 10	Dibromomethane	No Value	No Value	0.6 U	$\mu\text{g/L}$								
8260	2015 04	Dibromomethane	No Value	No Value	0.6 U	$\mu\text{g/L}$								
8260	2013 05	Dichlorodifluoromethane	366	567	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	Dichlorodifluoromethane	366	567	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8260	2014 04	Dichlorodifluoromethane	366	567	0.24 U	$\mu\text{g/L}$								
8260	2014 10	Dichlorodifluoromethane	366	567	0.6 U	$\mu\text{g/L}$								
8260	2015 04	Dichlorodifluoromethane	366	567	0.6 U	$\mu\text{g/L}$								
8015B	2013 10	Diesel Range Organics	500	720	23 J	$\mu\text{g/L}$	25 J	$\mu\text{g/L}$	27 J	$\mu\text{g/L}$				
8270	2013 05	Diethyl phthalate	12200	79000	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Diethyl phthalate	12200	79000	0.26 J	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 J	$\mu\text{g/L}$				
8270	2014 04	Diethyl phthalate	12200	79000	0.71 J	$\mu\text{g/L}$	0.54 J	$\mu\text{g/L}$	0.5 J	$\mu\text{g/L}$				
8270	2014 10	Diethyl phthalate	12200	79000	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 J	$\mu\text{g/L}$				
8270	2015 04	Diethyl phthalate	12200	79000	0.86 J	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	2.1 J	$\mu\text{g/L}$				
8270	2013 05	Dimethoate	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	Dimethyl phthalate	155000	1010000	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Dimethyl phthalate	155000	1010000	0.22 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$				
8270	2014 04	Dimethyl phthalate	155000	1010000	0.25 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$				
8270	2014 10	Dimethyl phthalate	155000	1010000	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	Dimethyl phthalate	155000	1010000	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	Di-n-butyl phthalate	1350	8400	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Di-n-butyl phthalate	1350	8400	0.25 U	$\mu\text{g/L}$	0.27 U	$\mu\text{g/L}$	0.25 U	$\mu\text{g/L}$				
8270	2014 04	Di-n-butyl phthalate	1350	8400	0.27 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$	0.26 U	$\mu\text{g/L}$				
8270	2014 10	Di-n-butyl phthalate	1350	8400	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	Di-n-butyl phthalate	1350	8400	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	Di-n-octyl phthalate	18.4	89.4	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	Di-n-octyl phthalate	18.4	89.4	0.18 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$				
8270	2014 04	Di-n-octyl phthalate	18.4	89.4	0.2 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$	0.19 U	$\mu\text{g/L}$				
8270	2014 10	Di-n-octyl phthalate	18.4	89.4	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	Di-n-octyl phthalate	18.4	89.4	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	Dinoseb	No Value	No Value	9.5 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$				
8270	2013 05	Disulfoton	No Value	No Value	9.5 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$				
8260	2013 10	Ethyl Benzene	700	700	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$				
8260	2014 04	Ethyl Benzene	700	700	0.2 U	$\mu\text{g/L}$								
8260	2014 10	Ethyl Benzene	700	700	0.6 U	$\mu\text{g/L}$								
8260	2013 05	Ethyl Benzene	700	700	0.14 J	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$				
8260	2013 10	Ethyl Benzene	700	700	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$				
8260	2014 04	Ethyl Benzene	700	700	0.2 U	$\mu\text{g/L}$								
8260	2014 10	Ethyl Benzene	700	700	0.6 U	$\mu\text{g/L}$								
8260	2015 04	Ethyl Benzene	700	700	0.6 U	$\mu\text{g/L}$								
8270	2013 05	Ethyl methacrylate	No Value	No Value	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$				
8270	2013 05	Ethyl methanesulfonate	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8260	2013 10	Ethylene Dibromide	0.05	0.05	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$	0.18 U	$\mu\text{g/L}$				
8260	2014 04	Ethylene Dibromide	0.05	0.05	0.18 U	$\mu\text{g/L}$								

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06			
					U	µg/L	U	µg/L	U	µg/L	U	µg/L	U	µg/L		
8260	2013 05	Hexachlorobutadiene	6.32	21.2	0.4	U	µg/L	0.4	U	µg/L	0.4	U	µg/L			
8270	2013 05	Hexachlorobutadiene	6.32	21.2	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8260	2013 10	Hexachlorobutadiene	6.32	21.2	0.7	U	µg/L	0.7	U	µg/L	0.7	U	µg/L			
8270	2013 10	Hexachlorobutadiene	6.32	21.2	0.29	U	µg/L	0.32	U	µg/L	0.29	U	µg/L			
8260	2014 04	Hexachlorobutadiene	6.32	21.2	0.7	U	µg/L	0.7	U	µg/L	0.7	U	µg/L	0.7	U	µg/L
8270	2014 04	Hexachlorobutadiene	6.32	21.2	0.33	U	µg/L	0.31	U	µg/L	0.31	U	µg/L			
8260	2014 10	Hexachlorobutadiene	6.32	21.2	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L			
8270	2014 10	Hexachlorobutadiene	6.32	21.2	1	U	µg/L	1	U	µg/L	1	U	µg/L	1	U	µg/L
8260	2015 04	Hexachlorobutadiene	6.32	21.2	1	U	µg/L	1	U	µg/L	1	U	µg/L	1	U	µg/L
8270	2015 04	Hexachlorobutadiene	6.32	21.2	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L			
8270	2013 05	Hexachlorobenzene	1	1	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8270	2013 10	Hexachlorobenzene	1	1	0.23	U	µg/L	0.25	U	µg/L	0.23	U	µg/L			
8270	2014 04	Hexachlorobenzene	1	1	0.26	U	µg/L	0.25	U	µg/L	0.25	U	µg/L			
8270	2014 10	Hexachlorobenzene	1	1	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L			
8270	2015 04	Hexachlorobenzene	1	1	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L			
8270	2013 10	Hexachlorocyclopentadiene	50	50	1.2	U	µg/L	1.3	U	µg/L	1.2	U	µg/L			
8270	2014 04	Hexachlorocyclopentadiene	50	50	1.4	U	µg/L	1.3	U	µg/L	1.3	U	µg/L			
8270	2014 10	Hexachlorocyclopentadiene	50	50	2.6	U	µg/L	2.5	U	µg/L	2.5	U	µg/L			
8270	2015 04	Hexachlorocyclopentadiene	50	50	2.6	U	µg/L	2.5	U	µg/L	2.5	U	µg/L			
8270	2013 05	Hexachloroethane	13.1	80.5	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8270	2013 10	Hexachloroethane	13.1	80.5	0.22	U	µg/L	0.24	U	µg/L	0.22	U	µg/L			
8270	2014 04	Hexachloroethane	13.1	80.5	0.24	U	µg/L	0.23	U	µg/L	0.23	U	µg/L			
8270	2014 10	Hexachloroethane	13.1	80.5	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L			
8270	2015 04	Hexachloroethane	13.1	80.5	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L			
8270	2013 05	Hexachloropropene	No Value	No Value	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8330	2013 03	HMX	782	5110									0.624	U	µg/L	
8330	2013 05	HMX	782	5110	0.052	U	µg/L	0.73	J	µg/L	0.051	U	µg/L			
8330	2013 09	HMX	782	5110									0.39	µg/L	0.078	µg/L
8321	2013 10	HMX	782	5110	0.24	U	µg/L	0.11	U	µg/L	0.47	U	µg/L			
8321	2014 04	HMX	782	5110	0.48	U	µg/L	0.48	U	µg/L	0.49	U	µg/L			
8330	2014 04	HMX	782	5110									0.026	U	µg/L	
8321	2014 10	HMX	782	5110	0.051	U	µg/L	0.06	J	µg/L	0.21	U	µg/L			
8330	2014 10	HMX	782	5110									0.11	U	µg/L	
8321	2015 04	HMX	782	5110	0.2	U	µg/L	0.05	U	µg/L	0.5	U	µg/L			
8330	2015 04	HMX	782	5110									0.2	U	µg/L	
8321	2015 10	HMX	782	5110	0.58	U	µg/L	0.12	U	µg/L	3.1	U	µg/L	0.58	U	µg/L
8330	2013 05	HNS	No Value	No Value	0.026	U	µg/L	0.026	U	µg/L	0.026	U	µg/L			
8270	2013 05	Indeno(1,2,3-cd)pyrene	0.117	9.5	0.392	9.5	U	µg/L	9.6	U	µg/L	9.6	U	µg/L		
8270	2013 10	Indeno(1,2,3-cd)pyrene	0.117	0.392	0.24	U	µg/L	0.25	U	µg/L	0.24	U	µg/L			
8270	2014 04	Indeno(1,2,3-cd)pyrene	0.117	0.392	0.26	U	µg/L	0.25	U	µg/L	0.25	U	µg/L			
8270	2014 10	Indeno(1,2,3-cd)pyrene	0.117	0.392	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L			
8270	2015 04	Indeno(1,2,3-cd)pyrene	0.117	0.392	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L			
8260	2013 05	Iodomethane	No Value	No Value	1	U	µg/L	1	U	µg/L	1	U	µg/L			
6010B	2013 05	Iron	No Value	No Value	45	J	µg/L	750	µg/L	59	J	µg/L				
6020	2014 04	Iron	No Value	No Value	48	U	µg/L	210	µg/L	360	µg/L					
6020	2014 10	Iron	No Value	No Value	350	µg/L		120	J	µg/L	9800	µg/L				
6020	2015 04	Iron	No Value	No Value	81	J	µg/L	890	µg/L	1200	µg/L					
6020	2015 10	Iron	No Value	No Value	120	J	µg/L	580	µg/L	1100	µg/L	910	µg/L	450	µg/L	
8260	2013 05	Isobutyl alcohol	No Value	No Value	10	U	µg/L	10	U	µg/L	10	U	µg/L			
8270	2013 05	Isophorone	No Value	No Value	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8270	2013 10	Isophorone	No Value	No Value	0.91	U	µg/L	0.98	U	µg/L	0.91	U	µg/L			
8270	2014 04	Isophorone	No Value	No Value	1	U	µg/L	0.97	U	µg/L	0.97	U	µg/L			
8270	2014 10	Isophorone	No Value	No Value	1	U	µg/L	1	U	µg/L	1	U	µg/L			
8270	2015 04	Isophorone	No Value	No Value	1.1	U	µg/L	1	U	µg/L	1	U	µg/L			
8260	2013 05	Isopropylbenzene	451	968	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2013 10	Is														

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	'Kansas Risk- Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06		
			No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	1.14 J	$\mu\text{g/L}$	1.119 J	$\mu\text{g/L}$	
8270	2013 05	Isosafrole	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$					
8270	2013 05	Kepone	0.0776	0.261	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$					
6020	2013 03	Lead	15	15								1.14 J	$\mu\text{g/L}$	1.119 J	$\mu\text{g/L}$
6010B	2013 05	Lead	15	15	5 U	$\mu\text{g/L}$	3.1 J	$\mu\text{g/L}$	5 U	$\mu\text{g/L}$					
6020	2013 10	Lead	15	15	0.5 J	$\mu\text{g/L}$	0.24 U	$\mu\text{g/L}$	1.1 J	$\mu\text{g/L}$	1.32 J	$\mu\text{g/L}$	2.41 J	$\mu\text{g/L}$	
6020	2014 04	Lead	15	15	0.24 U	$\mu\text{g/L}$	1.5	$\mu\text{g/L}$	0.62 J	$\mu\text{g/L}$	0.82 J	$\mu\text{g/L}$	0.59 J	$\mu\text{g/L}$	
6020	2014 10	Lead	15	15	0.59 J	$\mu\text{g/L}$	0.5 J	$\mu\text{g/L}$	0.5 J	$\mu\text{g/L}$	0.92 J	$\mu\text{g/L}$	0.63 J	$\mu\text{g/L}$	
6020	2015 04	Lead	15	15	0.5 U	$\mu\text{g/L}$	0.46 J	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$	0.44 J	$\mu\text{g/L}$	0.68 J	$\mu\text{g/L}$	
6020	2015 10	Lead	15	15	0.5 U	$\mu\text{g/L}$	0.54 J	$\mu\text{g/L}$	0.31 J	$\mu\text{g/L}$	1.2 J	$\mu\text{g/L}$	0.82 J	$\mu\text{g/L}$	
8260	2013 05	m&p-Xylene	No Value	No Value	0.25 J	$\mu\text{g/L}$	0.8 U	$\mu\text{g/L}$	0.8 U	$\mu\text{g/L}$					
8260	2013 10	m&p-Xylene	No Value	No Value	0.46 U	$\mu\text{g/L}$	0.46 U	$\mu\text{g/L}$	0.46 U	$\mu\text{g/L}$					
8260	2014 04	m&p-Xylene	No Value	No Value	0.46 U	$\mu\text{g/L}$	0.46 U	$\mu\text{g/L}$							
8260	2014 10	m&p-Xylene	No Value	No Value	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$							
8260	2015 04	m&p-Xylene	No Value	No Value	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$							
6010B	2013 05	Magnesium	No Value	No Value	30000	$\mu\text{g/L}$	48000	$\mu\text{g/L}$	52000	$\mu\text{g/L}$					
6020	2014 04	Magnesium	No Value	No Value	40000	$\mu\text{g/L}$	47000	J	76000	J					
6020	2014 10	Magnesium	No Value	No Value	47000	J	55000	J	140000	J					
6020	2015 04	Magnesium	No Value	No Value	38000	$\mu\text{g/L}$	50000	$\mu\text{g/L}$	90000	$\mu\text{g/L}$					
6020	2015 10	Magnesium	No Value	No Value	34000	$\mu\text{g/L}$	56000	$\mu\text{g/L}$	76000	$\mu\text{g/L}$	46000	$\mu\text{g/L}$	39000	$\mu\text{g/L}$	
6010B	2013 05	Manganese	50	50	63	$\mu\text{g/L}$	78	$\mu\text{g/L}$	85	$\mu\text{g/L}$					
6020	2014 04	Manganese	50	50	6.2	$\mu\text{g/L}$	63	$\mu\text{g/L}$	38	$\mu\text{g/L}$					
6020	2014 10	Manganese	50	50	83	$\mu\text{g/L}$	42	$\mu\text{g/L}$	1900	$\mu\text{g/L}$					
6020	2015 04	Manganese	50	50	24	$\mu\text{g/L}$	29	$\mu\text{g/L}$	810	$\mu\text{g/L}$					
6020	2015 10	Manganese	50	50	28	$\mu\text{g/L}$	44	$\mu\text{g/L}$	560	$\mu\text{g/L}$	61	$\mu\text{g/L}$	37	$\mu\text{g/L}$	
7470	2013 05	Mercury	2	2	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$					
7470	2013 10	Mercury	2	2	0.056 U	$\mu\text{g/L}$	0.056 U	$\mu\text{g/L}$	0.056 U	$\mu\text{g/L}$					
7470	2014 04	Mercury	2	2	0.056 U	$\mu\text{g/L}$	0.056 U	$\mu\text{g/L}$							
7470	2014 10	Mercury	2	2	0.1 U	$\mu\text{g/L}$	0.1 J	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$	0.1 U	$\mu\text{g/L}$	
7470	2015 04	Mercury	2	2	0.1 J	$\mu\text{g/L}$	0.11 J	$\mu\text{g/L}$	0.11 J	$\mu\text{g/L}$					
6020	2015 10	Mercury	2	2	0.1 U	$\mu\text{g/L}$	0.071 J	$\mu\text{g/L}$	0.059 J	$\mu\text{g/L}$	0.059 J	$\mu\text{g/L}$	0.057 J	$\mu\text{g/L}$	
8260	2013 05	Methacrylonitrile	No Value	No Value	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$					
8270	2013 05	Methapyrilene	No Value	No Value	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$					
8260	2013 10	Methyl bromide	7	13.2	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$					
8260	2014 04	Methyl bromide	7	13.2	1.2 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$							
8260	2014 10	Methyl bromide	7	13.2	4 U	$\mu\text{g/L}$	4 U	$\mu\text{g/L}$							
8260	2013 10	Methyl Chloride	127	238	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$					
8260	2014 04	Methyl Chloride	127	238	0.22 U	$\mu\text{g/L}$	0.22 U	$\mu\text{g/L}$							
8260	2014 10	Methyl Chloride	127	238	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text{g/L}$							
8260	2013 05	Methyl methacrylate	No Value	No Value	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$	1 U	$\mu\text{g/L}$					
8270	2013 05	Methyl methanesulfonate	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$					
8270	2013 05	METHYL PARATHION	No Value	No Value	9.5 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$					
8260	2013 05	Methyl tert butyl ether	133	262	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$					
8260	2013 10	Methyl tert butyl ether	133	262	0.17 U	$\mu\text{g/L}$	0.17 U	$\mu\text{g/L}$	0.17 U	$\mu\text{g/L}$					
8260	2014 04	Methyl tert butyl ether	133	262	0.17 U	$\mu\text{g/L}$	0.17 U	$\mu\text{g/L}$							
8260	2014 10	Methyl tert butyl ether	133	262	0.6 U	$\mu\text{g/L}$	0.6 U	$\mu\text$							

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
					MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
8260	2013 05	Naphthalene	1.11	2.11	0.2 U	µg/L	0.2 U	µg/L	0.2 U	µg/L				
8270	2013 05	Naphthalene	1.11	2.11	2.9 U	µg/L	2.9 U	µg/L	2.9 U	µg/L				
8260	2013 10	Naphthalene	1.11	2.11	0.24 U	µg/L	0.24 U	µg/L	0.24 U	µg/L				
8270	2013 10	Naphthalene	1.11	2.11	0.21 U	µg/L	0.22 U	µg/L	0.21 U	µg/L				
8260	2014 04	Naphthalene	1.11	2.11	0.24 U	µg/L								
8270	2014 04	Naphthalene	1.11	2.11	0.23 U	µg/L	0.22 U	µg/L	0.22 U	µg/L				
8270	2014 10	Naphthalene	1.11	2.11	0.51 U	µg/L	0.51 U	µg/L	0.5 U	µg/L				
8270	2014 10	Naphthalene	1.11	2.11	0.6 U	µg/L								
8260	2015 04	Naphthalene	1.11	2.11	0.6 U	µg/L								
8270	2015 04	Naphthalene	1.11	2.11	0.53 U	µg/L	0.51 U	µg/L	0.51 U	µg/L				
8260	2013 05	n-Butylbenzene	33.8	78.5	0.2 U	µg/L	0.2 U	µg/L	0.2 U	µg/L				
8260	2013 10	n-Butylbenzene	33.8	78.5	0.18 U	µg/L	0.18 U	µg/L	0.18 U	µg/L				
8260	2014 04	n-Butylbenzene	33.8	78.5	0.18 U	µg/L								
8260	2014 10	n-Butylbenzene	33.8	78.5	0.6 U	µg/L								
8260	2015 04	n-Butylbenzene	33.8	78.5	0.6 U	µg/L								
6010B	2013 05	Nickel	312	2040	13	µg/L	17	µg/L	19	µg/L				
6020	2014 04	Nickel	312	2040	7.8 J	µg/L	8.5 J	µg/L	17	µg/L				
6020	2014 10	Nickel	312	2040	14	µg/L	6.6 J	µg/L	42	µg/L				
6020	2015 04	Nickel	312	2040	5.7 J	µg/L	5.2 J	µg/L	15	µg/L				
6020	2015 10	Nickel	312	2040	5.2 J	µg/L	6.4 J	µg/L	13	µg/L	11	µg/L	3.6 J	µg/L
8270	2013 05	Nitrobenzene	1.01	1.85	2.9 U	µg/L	2.9 U	µg/L	2.9 U	µg/L				
8330	2013 05	Nitrobenzene	1.01	1.85	0.1 U	µg/L	0.1 U	µg/L	0.1 U	µg/L				
8270	2013 10	Nitrobenzene	1.01	1.85	0.25 U	µg/L	0.27 U	µg/L	0.25 U	µg/L				
8321	2013 10	Nitrobenzene	1.01	1.85	0.048 U	µg/L	0.054 U	µg/L	0.047 U	µg/L				
8270	2014 04	Nitrobenzene	1.01	1.85	0.27 U	µg/L	0.26 U	µg/L	0.26 U	µg/L				
8321	2014 04	Nitrobenzene	1.01	1.85	0.048 U	µg/L	0.048 U	µg/L	0.049 U	µg/L				
8330	2014 04	Nitrobenzene	1.01	1.85							0.049 U	µg/L	0.049 U	µg/L
8270	2014 10	Nitrobenzene	1.01	1.85	0.51 U	µg/L	0.51 U	µg/L	0.5 U	µg/L				
8321	2014 10	Nitrobenzene	1.01	1.85	0.051 U	µg/L	0.052 U	µg/L	0.051 U	µg/L				
8330	2014 10	Nitrobenzene	1.01	1.85							0.11 U	µg/L	0.11 U	µg/L
8270	2015 04	Nitrobenzene	1.01	1.85	0.53 U	µg/L	0.51 U	µg/L	0.51 U	µg/L				
8321	2015 04	Nitrobenzene	1.01	1.85	0.05 U	µg/L	0.05 U	µg/L	0.05 U	µg/L				
8330	2015 04	Nitrobenzene	1.01	1.85							0.2 U	µg/L	0.1 U	µg/L
6020	2015 10	Nitrobenzene	1.01	1.85	0.058 U	µg/L	0.059 U	µg/L	0.058 U	µg/L	0.058 U	µg/L	0.059 U	µg/L
8321	2013 10	Nitrobenzene-d5	No Value	No Value	0.32	µg/L	0.47	µg/L	0.24	µg/L				
8321	2014 04	Nitrobenzene-d5	No Value	No Value	0.51	µg/L	0.48	µg/L	0.56	µg/L				
8321	2014 10	Nitrobenzene-d5	No Value	No Value	0.39	µg/L	0.44	µg/L	0.36	µg/L				
353.2	2013 05	NITROCELLULOSE	No Value	No Value	1000 U	µg/L	1000 U	µg/L	1000	µg/L				
353.2	2013 10	NITROCELLULOSE	No Value	No Value	2100 J	µg/L	1220 J	µg/L	676 J	µg/L				
353.2	2014 04	NITROCELLULOSE	No Value	No Value	1200 U	µg/L	409 J	µg/L	1200 U	µg/L				
353.2	2014 10	NITROCELLULOSE	No Value	No Value	1200 U	µg/L	1200 U	µg/L	1200 U	µg/L				
353.2	2015 04	NITROCELLULOSE	No Value	No Value	1200 U	µg/L	1200 U	µg/L	1200 U	µg/L				
8330	2013 05	NITROGLYCERINE	No Value	No Value	0.52 U	µg/L	0.51 U	µg/L	0.51 U	µg/L				
8330	2014 04	NITROGLYCERINE	No Value	No Value							0.16 U	µg/L	0.16 U	µg/L
8330	2014 10	NITROGLYCERINE	No Value	No Value							0.22 U	µg/L	0.21 U	µg/L
8330	2015 04	NITROGLYCERINE	No Value	No Value							0.4 U	µg/L	0.2 U	µg/L
8330	2013 05	NITROGUANIDINE	1560	10200	6 U	µg/L	6 U	µg/L	6 U	µg/L				
8270	2013 05	N-Nitrosodiethylamine	No Value	No Value	2.9 U	µg/L	2.9 U	µg/L	2.9 U	µg/L				
8270	2013 05	N-Nitrosodimethylamine	No Value	No Value	2.9 U	µg/L	2.9 U	µg/L	2.9 U	µg/L				
8270	2013 10	N-Nitrosodimethylamine	No Value	No Value	0.29 U	µg/L	0.32 U	µg/L	0.29 U	µg/L				
8270	2014 04	N-Nitrosodimethylamine	No Value	No Value	0.33 U	µg/L	0.31 U	µg/L	0.31 U	µg/L				
8270	2014 10	N-Nitrosodimethylamine	No Value	No Value	0.51 U	µg/L	0.51 U	µg/L	0.5 U	µg/L				
8270	2015 04	N-Nitrosodimethylamine	No Value	No Value	0.53 U	µg/L	0.51 U	µg/L	0.51 U	µg/L				
8270	2013 05	N-Nitroso-di-n-butylamine	No Value	No Value	2.9 U	µg/L	2.9 U	µg/L	2.9 U	µg/L				

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential ($\mu\text{g/L}$)	'Kansas Risk- Based Screening Level Non-Residential ($\mu\text{g/L}$)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
			No Value	No Value	0.3 U	$\mu\text{g/L}$	0.32 U	$\mu\text{g/L}$	0.3 U	$\mu\text{g/L}$	0.32 U	$\mu\text{g/L}$	0.32 U	$\mu\text{g/L}$
8270	2013 10	N-Nitrosodi-n-propylamine	No Value	No Value	0.3 U	$\mu\text{g/L}$	0.32 U	$\mu\text{g/L}$	0.3 U	$\mu\text{g/L}$				
8270	2014 04	N-Nitrosodi-n-propylamine	No Value	No Value	0.33 U	$\mu\text{g/L}$	0.32 U	$\mu\text{g/L}$	0.32 U	$\mu\text{g/L}$				
8270	2014 10	N-Nitrosodi-n-propylamine	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	N-Nitrosodi-n-propylamine	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	N-Nitrosodi-n-propylamine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	N-Nitrosodiphenylamine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 10	N-Nitrosodiphenylamine	No Value	No Value	0.15 U	$\mu\text{g/L}$	0.16 U	$\mu\text{g/L}$	0.15 U	$\mu\text{g/L}$				
8270	2014 04	N-Nitrosodiphenylamine	No Value	No Value	0.16 U	$\mu\text{g/L}$	0.16 U	$\mu\text{g/L}$	0.16 U	$\mu\text{g/L}$				
8270	2014 10	N-Nitrosodiphenylamine	No Value	No Value	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$				
8270	2015 04	N-Nitrosodiphenylamine	No Value	No Value	0.53 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8270	2013 05	N-Nitrosomethylalkylamine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	N-Nitrosomorpholine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	N-Nitrosopiperidine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	N-Nitrosopyrrolidine	No Value	No Value	9.5 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$				
8260	2013 05	n-Propylbenzene	660	1910	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$	0.2 U	$\mu\text{g/L}$				
8260	2013 10	n-Propylbenzene	660	1910	0.16 U	$\mu\text{g/L}$	0.16 U	$\mu\text{g/L}$	0.16 U	$\mu\text{g/L}$				
8260	2014 04	n-Propylbenzene	660	1910	0.16 U	$\mu\text{g/L}$								
8260	2014 10	n-Propylbenzene	660	1910	0.6 U	$\mu\text{g/L}$								
8260	2015 04	n-Propylbenzene	660	1910	0.6 U	$\mu\text{g/L}$								
8270	2013 05	O,O,O-TRIETHYLPHOSPHOROTHIOATE	No Value	No Value	9.5 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$				
8290	2013 05	OCTACHLORODIBENZOFURAN	No Value	No Value	1.3 U	$\mu\text{g/L}$	1.3 U	$\mu\text{g/L}$	1.2 U	$\mu\text{g/L}$				
8270	2013 05	o-Tolidine	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8260	2013 05	o-Xylene	No Value	No Value	0.15 J	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$	0.4 U	$\mu\text{g/L}$				
8260	2013 10	o-Xylene	No Value	No Value	0.23 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$	0.23 U	$\mu\text{g/L}$				
8260	2014 04	o-Xylene	No Value	No Value	0.23 U	$\mu\text{g/L}$								
8260	2014 10	o-Xylene	No Value	No Value	0.6 U	$\mu\text{g/L}$								
8260	2015 04	o-Xylene	No Value	No Value	0.6 U	$\mu\text{g/L}$								
8270	2013 05	PARATHION	86.4	549	9.5 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$				
8270	2013 05	p-Dimethylaminoazobenzene	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	Pentachlorobenzene	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	Pentachloroethane	No Value	No Value	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$				
8270	2013 05	Pentachloronitrobenzene	No Value	No Value	9.5 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$	9.6 U	$\mu\text{g/L}$				
8270	2013 05	Pentachlorophenol	1	1	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$	19 U	$\mu\text{g/L}$				
8270	2013 10	Pentachlorophenol	1	1	1.5 U	$\mu\text{g/L}$	1.7 U	$\mu\text{g/L}$	1.5 U	$\mu\text{g/L}$				
8270	2014 04	Pentachlorophenol	1	1	1.7 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$	1.6 U	$\mu\text{g/L}$				
8270	2014 10	Pentachlorophenol	1	1	2.6 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$				
8270	2015 04	Pentachlorophenol	1	1	2.6 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$	2.5 U	$\mu\text{g/L}$				
6850	2013 05	Perchlorate	No Value	No Value	0.13 J	$\mu\text{g/L}$	0.11 J	$\mu\text{g/L}$		$\mu\text{g/L}$				
6860	2013 10	Perchlorate	No Value	No Value	0.024 U	$\mu\text{g/L}$	0.024 U	$\mu\text{g/L}$	0.096 J	$\mu\text{g/L}$				
6860	2014 04	Perchlorate	No Value	No Value	0.069	$\mu\text{g/L}$	0.052	$\mu\text{g/L}$	0.11 J	$\mu\text{g/L}$				
6860	2014 10	Perchlorate	No Value	No Value	0.37	$\mu\text{g/L}$	0.44	$\mu\text{g/L}$	0.19	$\mu\text{g/L}$				
6860	2015 04	Perchlorate	No Value	No Value	0.045 J	$\mu\text{g/L}$	0.083	$\mu\text{g/L}$	0.03 J	$\mu\text{g/L}$				
8330	2013 05	PETN	No Value	No Value	0.52 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$	0.51 U	$\mu\text{g/L}$				
8330	2014 04	PETN	No Value	No Value							0.5 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$
8330	2014 10	PETN	No Value	No Value							0.52 U	$\mu\text{g/L}$	0.53 U	$\mu\text{g/L}$
8330	2015 04	PETN	No Value	No Value							1 U	$\mu\text{g/L}$	0.5 U	$\mu\text{g/L}$
8270	2013 05	Phenacetin	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	2013 05	Phenanthrene	No Value	No Value	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$	2.9 U	$\mu\text{g/L}$				
8270	201													

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06			
					U	µg/L	U	µg/L	U	µg/L	U	µg/L	U	µg/L		
8260	2013 05	p-Isopropyltoluene	No Value	No Value	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2013 10	p-Isopropyltoluene	No Value	No Value	0.19	U	µg/L	0.19	U	µg/L	0.19	U	µg/L			
8260	2014 04	p-Isopropyltoluene	No Value	No Value	0.19	U	µg/L	0.19	U	µg/L	0.19	U	µg/L	0.19	U	µg/L
8260	2014 10	p-Isopropyltoluene	No Value	No Value	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
6010B	2013 05	Potassium	No Value	No Value	2800		µg/L	1900		µg/L	4000		µg/L			
6020	2014 04	Potassium	No Value	No Value	1300		µg/L	1000		µg/L	1900		µg/L			
6020	2014 10	Potassium	No Value	No Value	1600		µg/L	1200		µg/L	3100		µg/L			
6020	2015 04	Potassium	No Value	No Value	1500		µg/L	1300		µg/L	2400		µg/L			
6020	2015 10	Potassium	No Value	No Value	1500		µg/L	1400		µg/L	2700		µg/L	880	µg/L	600 µg/L
8270	2013 05	p-Phenylenediamine	No Value	No Value	48	U	µg/L	48	U	µg/L	48	U	µg/L			
8270	2013 05	Pronamide	No Value	No Value	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8260	2013 05	Propionitrile	No Value	No Value	1	U	µg/L	1	U	µg/L	1	U	µg/L			
8270	2013 05	Pyrene	202	1090	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8270	2013 10	Pyrene	202	1090	0.28	U	µg/L	0.3	U	µg/L	0.28	U	µg/L			
8270	2014 04	Pyrene	202	1090	0.31	U	µg/L	0.3	U	µg/L	0.3	U	µg/L			
8270	2014 10	Pyrene	202	1090	0.51	U	µg/L	0.51	U	µg/L	0.5	U	µg/L			
8270	2015 04	Pyrene	202	1090	0.53	U	µg/L	0.51	U	µg/L	0.51	U	µg/L			
8270	2013 05	Pyridine	4.96	9.28	2.9	U	µg/L	2.9	U	µg/L	2.9	U	µg/L			
8330	2013 03	RDX	7.72	25.9										0.624	U	µg/L
8330	2013 05	RDX	7.72	25.9	0.33		µg/L	0.17		µg/L	0.095	J	µg/L			
8321	2013 10	RDX	7.72	25.9	0.048	U	µg/L	0.054	U	µg/L	0.047	U	µg/L	0.39	µg/L	0.078 µg/L
8321	2014 04	RDX	7.72	25.9	0.048	U	µg/L	0.053	J	µg/L	0.049	U	µg/L			
8330	2014 04	RDX	7.72	25.9										0.028	U	µg/L
8321	2014 10	RDX	7.72	25.9	0.051	U	µg/L	0.052	U	µg/L	0.051	U	µg/L			
8330	2014 10	RDX	7.72	25.9										0.11	U	µg/L
8321	2015 04	RDX	7.72	25.9	0.05	U	µg/L	0.05	U	µg/L	0.05	U	µg/L	0.2	U	µg/L
8321	2015 10	RDX	7.72	25.9	0.58	U	µg/L	0.059	U	µg/L	0.27		µg/L	0.058	U	µg/L
8260	2013 05	sec-Butylbenzene	30.5	74.5	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2013 10	sec-Butylbenzene	30.5	74.5	0.16	U	µg/L	0.16	U	µg/L	0.16	U	µg/L			
8260	2014 04	sec-Butylbenzene	30.5	74.5	0.16	U	µg/L	0.16	U	µg/L	0.16	U	µg/L	0.16	U	µg/L
8260	2014 10	sec-Butylbenzene	30.5	74.5	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	sec-Butylbenzene	30.5	74.5	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
6010B	2013 05	Selenium	50	50	25	U	µg/L	25	U	µg/L	25	U	µg/L			
6020	2013 10	Selenium	50	50	2.7	J	µg/L	2.4	J	µg/L	3.6	J	µg/L			
6020	2014 04	Selenium	50	50	2.2	J	µg/L	4.2	J	µg/L	6.3		µg/L	2.3	J	µg/L
6020	2014 10	Selenium	50	50	4.3	J	µg/L	2.9	J	µg/L	4.2	J	µg/L	2.5	U	µg/L
6020	2015 04	Selenium	50	50	2.9	J	µg/L	2.3	J	µg/L	2.5	J	µg/L			
6020	2015 10	Selenium	50	50	1.9	J	µg/L	2.5	U	µg/L	2.9	J	µg/L	2.5	U	µg/L
6010B	2013 05	Silver	77.9	508	2	U	µg/L	2	U	µg/L	2	U	µg/L			
6020	2013 10	Silver	77.9	508	11		µg/L	0.18	U	µg/L	0.22	J	µg/L			
6020	2014 04	Silver	77.9	508	0.18	U	µg/L	0.18	U	µg/L	0.18	U	µg/L	0.18	U	µg/L
6020	2014 10	Silver	77.9	508	0.5	U	µg/L	0.5	U	µg/L	0.5	U	µg/L	0.5	J	µg/L
6020	2015 04	Silver	77.9	508	0.46	J	µg/L	0.5	U	µg/L	0.5	U	µg/L			
6020	2015 10	Silver	77.9	508	0.5	U	µg/L	0.5	U	µg/L	0.5	U	µg/L	0.5	U	µg/L
6010B	2013 05	Sodium	No Value	No Value	44000		µg/L	91000		µg/L	180000		µg/L			
6020	2014 04	Sodium	No Value	No Value	68000		µg/L	110000		µg/L	230000		µg/L			
6020	2014 10	Sodium	No Value	No Value	120000		µg/L	140000		µg/L	870000		µg/L			
6020	2015 04	Sodium	No Value	No Value	190000		µg/L	170000		µg/L	660000		µg/L			
6020	2015 10	Sodium	No Value	No Value	180000		µg/L	210000		µg/L	680000		µg/L	66000	µg/L	23000 µg/L
8260	2013 05	Styrene	100	100	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2013 10	Styrene	100	100	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L			
8260	2014 04	Styrene	100	100	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L	0.2	U	µg/L
8260	2014 10	Styrene	100	100	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L	0.6	U	µg/L
8260	2015 04	Styrene	100	100	0.6	U	µg/L	0								

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk-Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06					
					U	ug/L	U	ug/L	U	ug/L	U	ug/L	U	ug/L				
8260	2013 05	tert-Butylbenzene	No Value	No Value	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L					
8260	2013 10	tert-Butylbenzene	No Value	No Value	0.17	U	ug/L	0.17	U	ug/L	0.17	U	ug/L					
8260	2014 04	tert-Butylbenzene	No Value	No Value	0.17	U	ug/L	0.17	U	ug/L	0.17	U	ug/L	0.17	U	ug/L		
8260	2014 10	tert-Butylbenzene	No Value	No Value	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2015 04	tert-Butylbenzene	No Value	No Value	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2013 03	Tetrachloroethene	5	5								1	U	ug/L	1	U	ug/L	
8260	2013 05	Tetrachloroethene	5	5	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L					
8260	2013 10	Tetrachloroethene	5	5	0.26	U	ug/L	0.26	U	ug/L	0.26	U	ug/L	1	U	ug/L		
8260	2014 04	Tetrachloroethene	5	5	0.26	U	ug/L	0.26	U	ug/L	0.26	U	ug/L	0.26	U	ug/L		
8260	2014 10	Tetrachloroethene	5	5	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2015 04	Tetrachloroethene	5	5	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8330	2013 03	Tetryl	62.4	407									0.624	U	ug/L	0.515	U	ug/L
8330	2013 09	Tetryl	62.4	407									0.39	U	ug/L	0.078	U	ug/L
8321	2013 10	Tetryl	62.4	407	0.048	U	ug/L	0.054	U	ug/L	0.047	U	ug/L					
8321	2014 04	Tetryl	62.4	407	0.048	U	ug/L	0.048	U	ug/L	0.049	U	ug/L					
8330	2014 04	Tetryl	62.4	407									0.088	U	ug/L	0.088	U	ug/L
8321	2014 10	Tetryl	62.4	407	0.051	U	ug/L	0.052	U	ug/L	0.051	U	ug/L					
8330	2014 10	Tetryl	62.4	407									0.11	U	ug/L	0.11	U	ug/L
8321	2015 04	Tetryl	62.4	407	0.05	U	ug/L	0.05	U	ug/L	0.05	U	ug/L					
8330	2015 04	Tetryl	62.4	407									0.2	U	ug/L	0.1	U	ug/L
8321	2015 10	Tetryl	62.4	407	0.058	U	ug/L	0.059	U	ug/L	0.058	U	ug/L	0.058	U	ug/L		
6010B	2013 05	Thallium	No Value	No Value	25	U	ug/L	25	U	ug/L	25	U	ug/L					
6020	2014 04	Thallium	No Value	No Value	0.16	U	ug/L	0.52	J	ug/L	0.16	U	ug/L					
6020	2014 10	Thallium	No Value	No Value	0.5	U	ug/L	0.5	U	ug/L	0.5	U	ug/L					
6020	2015 04	Thallium	No Value	No Value	0.5	U	ug/L	0.5	U	ug/L	0.5	U	ug/L					
6020	2015 10	Thallium	No Value	No Value	0.5	U	ug/L	0.5	U	ug/L	0.5	U	ug/L	0.5	U	ug/L		
8270	2013 05	THIONAZIN	No Value	No Value	9.5	U	ug/L	9.6	U	ug/L	9.6	U	ug/L					
8260	2013 05	Toluene	1000	1000	0.62	J	ug/L	0.4	U	ug/L	0.4	U	ug/L					
8260	2013 10	Toluene	1000	1000	0.27	J	ug/L	0.2	U	ug/L	0.2	U	ug/L					
8260	2014 04	Toluene	1000	1000	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L		
8260	2014 10	Toluene	1000	1000	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2015 04	Toluene	1000	1000	0.6	U	ug/L	0.6	U	ug/L	0.22	J	ug/L	0.6	U	ug/L		
8290	2013 05	TOTAL HEPTACHLORODIBENZOFURAN	No Value	No Value	0.52	U	pg/L	0.65	U	pg/L	0.63	U	pg/L					
8290	2013 05	TOTAL HEXACHLORODIBENZOFURAN	No Value	No Value	0.39	U	pg/L	0.49	U	pg/L	0.32	U	pg/L					
8290	2013 05	TOTAL HEPTACHLORODIBENZO-P-DIOXIN	No Value	No Value	1.1	J	pg/L	0.98	U	pg/L	0.96	U	pg/L					
8290	2013 05	TOTAL HEXACHLORODIBENZO-P-DIOXIN	No Value	No Value	0.78	U	pg/L	1.4	U	pg/L	0.8	U	pg/L					
8082	2014 04	Total PCBs	No Value	No Value	0.05	U	ug/L	0.051	U	ug/L	0.05	U	ug/L					
8082	2014 10	Total PCBs	No Value	No Value	0.04	U	ug/L	0.04	U	ug/L	0.04	U	ug/L					
8082	2015 04	Total PCBs	No Value	No Value	0.1	U	ug/L	0.1	U	ug/L	0.1	U	ug/L					
8290	2013 05	TOTAL PENTACHLORODIBENZOFURAN	No Value	No Value	0.8	U	pg/L	0.77	U	pg/L	0.81	U	pg/L					
8290	2013 05	TOTAL TETRACHLORODIBENZOFURAN	No Value	No Value	0.91	U	pg/L	0.73	U	pg/L	0.71	U	pg/L					
8290	2013 05	TOTAL PENTACHLORODIBENZO-P-DIOXIN	No Value	No Value	1.3	U	pg/L	1.2	U	pg/L	1.1	U	pg/L					
8290	2013 05	TOTAL TETRACHLORODIBENZO-P-DIOXIN	No Value	No Value	0.59	U	pg/L	0.64	U	pg/L	0.62	U	pg/L					
8260	2014 04	Total Xylenes	10000	10000	0.66	U	ug/L	0.66	U	ug/L	0.66	U	ug/L	0.66	U	ug/L		
8260	2014 10	Total Xylenes	10000	10000	1.8	U	ug/L	1.8	U	ug/L	1.8	U	ug/L	1.8	U	ug/L		
8260	2015 04	Total Xylenes	10000	10000	1.8	U	ug/L	1.8	U	ug/L	1.8	U	ug/L	1.8	U	ug/L		
8260	2013 05	trans-1,2-Dichloroethene	100	100	0.4	U	ug/L	0.4	U	ug/L	0.4	U	ug/L					
8260	2013 10	trans-1,2-Dichloroethene	100	100	0.18	U	ug/L	0.18	U	ug/L	0.18	U	ug/L					
8260	2014 04	trans-1,2-Dichloroethene	100	100	0.18	U	ug/L	0.18	U	ug/L	0.18	U	ug/L	0.18	U	ug/L		
8260	2014 10	trans-1,2-Dichloroethene	100	100	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2015 04	trans-1,2-Dichloroethene	100	100	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2013 05	trans-1,3-Dichloropropene	No Value	No Value	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L					
8260	2013 10	trans-1,3-Dichloropropene	No Value	No Value	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L					
8260	2014 04	trans-1,3-Dichloropropene	No Value	No Value	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L	0.2	U	ug/L		
8260	2014 10	trans-1,3-Dichloropropene	No Value	No Value	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2015 04	trans-1,3-Dichloropropene	No Value	No Value	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L	0.6	U	ug/L		
8260	2013 05	trans-1,4-Dichloro-2-butene	No Value	No Value	1	U	ug/L	1	U	ug/L	1	U	ug/L					

Table 2
Groundwater Analytical Results and Screening

Method	Date (yr mo)	Analyte	'Kansas Risk-Based Screening Level Residential (µg/L)	'Kansas Risk- Based Screening Level Non-Residential (µg/L)	MW 01-21		MW 02-21		MW 07-21		MW 21-06		MW 23-06	
					U	µg/L								
8260	2013 03	Trichloroethene	5	5									1	U µg/L
8260	2013 05	Trichloroethene	5	5	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L				
8260	2013 10	Trichloroethene	5	5	0.27	U µg/L	0.27	U µg/L	0.27	U µg/L	1	U µg/L	1	U µg/L
8260	2014 04	Trichloroethene	5	5	0.27	U µg/L								
8260	2014 10	Trichloroethene	5	5	0.6	U µg/L								
8260	2015 04	Trichloroethene	5	5	0.6	U µg/L								
8260	2013 05	Trichlorofluoromethane	1090	1900	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L				
8260	2013 10	Trichlorofluoromethane	1090	1900	0.26	U µg/L	0.26	U µg/L	0.26	U µg/L				
8260	2014 04	Trichlorofluoromethane	1090	1900	0.26	U µg/L								
8260	2014 10	Trichlorofluoromethane	1090	1900	0.6	U µg/L								
8260	2015 04	Trichlorofluoromethane	1090	1900	0.6	U µg/L								
6010B	2013 05	Vanadium	No Value	No Value	5	U µg/L	5	U µg/L	5	U µg/L				
6020	2014 04	Vanadium	No Value	No Value	0.49	U µg/L	1.7	J µg/L	0.55	J µg/L				
6020	2014 10	Vanadium	No Value	No Value	0.85	J µg/L	0.5	U µg/L	0.5	U µg/L				
6020	2015 04	Vanadium	No Value	No Value	0.5	U µg/L	0.9	J µg/L	0.5	U µg/L				
6020	2015 10	Vanadium	No Value	No Value	0.5	U µg/L	0.83	J µg/L	0.5	U µg/L	1.1	J µg/L	0.5	U µg/L
8260	2013 05	Vinyl acetate	406	581	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L				
8260	2013 03	Vinyl chloride	2	2							1	U µg/L	1	U µg/L
8260	2013 05	Vinyl chloride	2	2	0.4	U µg/L	0.4	U µg/L	0.4	U µg/L				
8260	2013 10	Vinyl chloride	2	2	0.24	U µg/L	0.24	U µg/L	0.24	U µg/L	1	U µg/L	1	U µg/L
8260	2014 04	Vinyl chloride	2	2	0.24	U µg/L								
8260	2014 10	Vinyl chloride	2	2	0.6	U µg/L								
8260	2015 04	Vinyl chloride	2	2	0.6	U µg/L								
6010B	2013 05	Zinc	4670	30500	45	U µg/L	14	J µg/L	4.9	J µg/L				
6020	2014 04	Zinc	4670	30500	9	J µg/L	4.2	J µg/L	4.2	J µg/L				
6020	2014 10	Zinc	4670	30500	11	J µg/L	18	J µg/L	6.4	J µg/L				
6020	2015 04	Zinc	4670	30500	12	J µg/L	9	J µg/L	12	J µg/L				
6020	2015 10	Zinc	4670	30500	3	J µg/L	5.2	J µg/L	5.9	J µg/L	10	J µg/L	4.3	J µg/L

Notes

J = estimated value

U = analyte not detected

ng/L = nanogram per liter

µg/L = microgram per liter

mg/L = milligram per liter

pg/L = picogram per liter

RSK = Risk-Based Screening Level for Kansas (2010)

grey highlight = exceeds RSK for residential use

bold = exceeds RSK for non-residential use

ATTACHMENT A

MONITORING WELL BORING LOGS AND INSTALLATION FORMS
(To be included on compact disk only)

ATTACHMENT B

MONITORING WELL SAMPLING FORMS
(To be included on compact disk only)

ATTACHMENT C

LABORATORY ANALYTICAL REPORTS
(To be included on compact disk only)

ATTACHMENT D

ANALYTICAL QUALITY CONTROL SUMMARY REPORTS

(To be included on compact disk only)